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1931



OFFICE OF THE COUNTY MEDICAL OFFICER OF HEALTH,
SHIRE HALL, WARWICK.

September 13th, 1932.

To the Warwickshire County Council.

MY LORD, LADIES AND GENTLEMEN,

1. I have the honour to present my Thirteenth Annual Report on the health of the Administrative County of Warwick for the year ending December 31st, 1931.
2. The Report follows the lines recommended in Circular 1206 of the Ministry of Health, but in order to effect economy in printing the text has been materially reduced, and certain details omitted from this Report will be found under the appropriate heading on reference to my Report for the year 1930.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

3. AREA.—The area of the County according to the 1931 Census is 560,702 acres or 876 square miles. A reduction on this figure has since been effected through the operation of the Tamworth Corporation Act, 1931, and the Coventry Extension Act, 1931, involving the transfer from the County of Warwick of approximately 7,500 acres.
4. POPULATION.—The population of the County, estimated by the Registrar General at the middle of 1931, was 367,250, the Urban Districts accounting for 178,200, and the Rural Districts 189,050.
5. SOCIAL CONDITIONS.—These were referred to in detail in my Report for the year 1930.
6. EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

Births :			Total.	Male.	Female.		
Legitimate	...	...	5,576	2,874	2,702	}	Birth Rate
Illegitimate	...	...	191	87	104		15.69
Still-births	...	...	205	109	96		Rate per 1,000 total Births 35.54
Deaths	...	...	4,064	2,077	1,987		Death Rate 11.06
Number of women dying in, or in consequence of, childbirth					From Sepsis	...	8
					Other causes	...	17
Maternal Mortality, per 1,000 Births			...	...	...	...	4.3
Death-rate of Infants under one year of age per 1,000 Live Births :—							
Legitimate		...	54.5.	Illegitimate		...	89.0.
		...	...			...	Total 55
Deaths from Measles (all ages)		...	...			...	19
" " Whooping Cough (all ages)		...	...			...	15
" " Diarrhoea (under 2 years of age)		...	...			...	15

7. BIRTHS.—There were registered 5,767 Births in the County, 2,580 in the Urban and 3,187 in the Rural Districts, giving a Birth rate—the lowest ever recorded—of 15.69 per 1,000 of population. The Urban Birth rate was 14.51 as against 16.80 in the Rural Districts. The highest rate recorded in the Urban Districts was 21.51 at Bulkington, since disestablished as an Urban Authority, this figure being followed closely by Bedworth with

20.50, and the lowest rate was recorded at Rugby with 10.53. In the Rural Districts the highest rate, 24.08, was registered in Nuneaton Rural, a District since merged largely into the Meriden Rural District.

8. *Notification of Births.*—In the Maternity and Child Welfare County there were registered 4,166 births, that is excluding those births occurring in Nuneaton, Leamington Spa and Sutton Coldfield, and of these 4,131 were duly notified, or 99 per cent. as compared with 95 per cent. in the previous year. This is a very creditable figure, shewing that a genuine endeavour is being made to observe the regulations.
9. **DEATHS.**—4,064 deaths were registered as against 3,865 in the previous year. Of these 2,114 occurred in the Urban and 1,950 in the Rural Districts. The death-rate for the whole County was 11.06, a slight increase over the previous year, which was 10.82 per 1,000 of population.
10. The various causes of death are shewn on Table A in the Appendix, from which it will be noticed that 782 deaths were registered from Heart Disease, and 525 from Cancer and other malignant diseases, 274 from Pneumonia, 273 from Cerebral Haemorrhage and 206 from Senility.
11. Influenza accounted for 115 deaths as against 44 in 1930 and 274 in 1929.
12. *Infant Mortality.*—321 deaths were registered in children under one year, representing an Infantile Death-rate of 55 per 1,000 births, as against 49 in the previous year. Of the 321 deaths, 193 or 60 per cent. were due to congenital debility, premature birth, or to some pre-natal cause, and of the remaining 128 deaths, 50 were due to pneumonia and only 11 to Diarrhoea. The low diarrhoeal death-rate is evidence of greater care being taken now in the feeding of infants and in the care of milk in the home, but the heavy mortality from congenital debility points to the need for further ante-natal advice for expectant mothers, it points to the need for a fuller appreciation of infant life since a large proportion of these deaths are preventable, and doubtless in some instances may be the result of interference with intra-natal life in an endeavour to avoid the ties of motherhood. There is unfortunately no reliable record of abortions in this Country, nor particularly of self-procured abortions, but there is evidence that this practice is still common, a danger both to mother and child, and should be deprecated at every Infant Welfare Centre and by every trained visitor coming in contact with mothers in their own homes. Only by continued education in the care of intra-natal life and by constant warning against the danger of interference will mothers realise and appreciate the advantage both to themselves and to their offspring of the proper spacing of their families, and apply the means at their disposal in the matter of conception control without endangering life in any way.
13. Of the 321 Infant deaths, 89 occurred in the three Boroughs who are themselves Maternity and Child Welfare Authorities—Leamington Spa, Nuneaton and Sutton Coldfield—the numbers being respectively 21, 50 and 18, the remainder, 232, being distributed throughout the rest of the County and being the concern of the County Council as Maternity and Child Welfare Authority for that large area.

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

14. **LOCAL GOVERNMENT ACT, 1929.**—Since my last Report the only material change in the administration by the Public Assistance Committee of the various Institutions in the County is the closure of the Atherstone Institution, accommodation for the inmates having been provided mainly at the Public Assistance Institution, Nuneaton. The Atherstone premises have not yet been acquired nor used for any other purpose.
15. The remaining Public Assistance Institutions within the County are Warwick, Rugby, Solihull, Nuneaton, Meriden, Stratford-on-Avon, Alcester and Shipston-on-Stour.

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16. A revision has recently been made of the Contracts of all Institution Medical Officers with a view to effecting uniformity throughout the County. Salaries have been made inclusive of midwifery and surgery, but operative major surgery will be referred in future to the Warwick Infirmary, some operative work being continued, however, at the Rugby Infirmary. In connection with the Warwick Infirmary, a recognised training school for Nurses, a Visiting Surgeon has been appointed, to undertake all operative surgery arising in and referred from other Institutions to that Infirmary, this arrangement to be reviewed after the period of one year.
17. In addition to concentrating operative surgery at the Warwick Infirmary it has been thought desirable to refer Midwifery cases also to Warwick, particularly from Nuneaton, Meriden, Alcester and Stratford-on-Avon Public Assistance Institutions. The question of the further development of the Midwifery service at the Warwick Infirmary has not yet been decided, but in this connection a special report, drawn up in consultation with the Public Assistance Officer, on the Maternity services in Warwick and Rugby, was submitted to the County Public Health Committee in April, 1932, the report being of a preliminary character, setting out the existing facilities for midwifery at the County Maternity Home, Warwick, the Warwick Infirmary, and the Warneford General Hospital, Leamington, and also facilities at the County Maternity Home, Rugby, the Rugby Infirmary and the Hospital of St. Cross, Rugby, without recommending policy either in one direction or another. The matter is still awaiting further consideration by the Public Assistance Committee.
18. There has been no occasion up to the present for consultation with representatives of Voluntary Hospitals under Section 13 of the Act.
19. **POOR LAW MEDICAL OUT-RELIEF.**—With the exception of a few changes in personnel the Medical Out-relief Districts have remained the same pending their revision. This revision has not yet been undertaken but will be proceeded with shortly.
20. The following alteration has been made in Guardians Committee Areas and in the Districts comprised therein :—

GUARDIANS COMMITTEES.

No.	Name of Area.	<i>Names of County Districts comprised in the area.</i>			Area.	Estimated. <i>Population.</i>	Total.
I.	Atherstone ...	Atherstone R.D.	...	...	21,962	21,805	21,805
II.	Meriden and Solihull	Meriden R.D.	...	...	67,767	27,165	
		Solihull U.D.	...	...	22,760	28,142	55,307
III.	Nuneaton ...	Nuneaton Borough	...	...	11,625	45,852	
		Bedworth U.D.	...	...	4,845	24,984	70,836
IV.	Rugby ...	Rugby U.D.	...	...	7,154	35,044	
		Rugby R.D.	...	...	83,394	19,703	54,747
V.	Stratford-on-Avon	Stratford-on-Avon Borough			6,900	10,593	
		Alcester R.D.	...	...	41,696	12,537	
		Shipston-on-Stour R.D.	...	...	53,339	7,857	
		Stratford-on-Avon R.D.	...	...	71,185	13,166	44,153
VI.	Sutton Coldfield ...	Sutton Coldfield Borough	...	...	13,904	27,300	27,300
VII.	Tamworth ...	Tamworth R.D. (part)	...	...	21,945	16,118	16,118
VIII.	Warwick and Leamington	Leamington Borough	...	...	2,834	29,770	
		Warwick Borough	...	...	5,030	14,277	
		Kenilworth U.D.	...	...	8,052	7,968	
		Southam R.D.	...	...	62,527	12,237	
		Warwick R.D.	...	...	52,607	14,440	78,692
							368,958

21. INSTITUTIONAL PROVISION FOR THE CARE OF MENTAL DEFECTIVES.—

Warwickshire Weston Colony at Weston-under-Weatherley, near Leamington Spa, comprising premises formerly used as a Reformatory School, together with farm land of approximately 140 acres, was acquired by the Council in August, 1929, for the purpose of development as a Colony for mental defectives in accordance with Section 38 of the Mental Deficiency Act, 1913. The Buildings have been temporarily adapted for the accommodation of 40 high-grade feeble-minded males and 18 high-grade feeble-minded females. Development is proceeding.

22. PUBLIC HEALTH OFFICERS OF THE AUTHORITY.—The following changes in staff have occurred since my Annual Report for the year 1930 :—

Venereal Disease Officers.—Dr. T. E. C. Cole, Medical Officer of the Warneford Hospital Leamington, Venereal Diseases Clinic, resigned and the vacancy has been filled by Dr. G. G. C. Taylor.

District Medical Officers and Public Vaccinators.

Brinklow and Monks Kirby Districts.—Dr. W. LESLIE ROBERTS, appointed in October, 1931, vice Dr. H. C. W. Allott resigned. (Dr. ROBERTS resigned June 28th, 1932, and Dr. M. H. WATTHEWS was appointed D.M.O. and Public Vaccinator on July 1st, 1932.)

Wolston District.—Dr. G. CAMPBELL appointed July 1st, 1931, vice Dr. H. C. W. ALLOTT, resigned.

Chipping Norton District (Warwickshire portion).—Dr. J. J. O'SHEA died 11th Jan., 1932, and Dr. B. CUMBO appointed April 1st, 1932. (Dr. CUMBO resigned July 28th, 1932, and has been succeeded by Dr. W. C. C. EASTON, appointed July 29th, 1932).

Hornton (Warwickshire portion).—Dr. HILARY HILL resigned April 30th, 1932, and Dr. J. ALEXANDER appointed May 1st, 1932.

Southam District.—Dr. F. A. SMORFITT appointed 21st November, 1931, vice Dr. E. W. ORMEROD resigned.

County Analyst.—W. T. RIGBY, F.I.C.

Inspectors of Weights and Measures and under Food and Drugs and Fertilisers and Feeding Stuffs Acts.—J. E. PRESTON, Chief Inspector ; THOS. DOLAN, Assistant Inspector ; H. F. SPOONER, Assistant Inspector ; JOHN SYDNEY PRESTON, Unqualified Assistant.

Vaccination Officers.—Vaccination Officers' Districts have since been revised and are now constituted as follows :—

No.	District.					Name.
1.	Atherstone	...	...	Mr. A. E. SHRIMPTON.
2.	Meriden	...	...	Mr. H. BROWN.
3.	Sutton Coldfield	...	...	Mr. J. C. KEEN.
4.	Tamworth	...	...	Mr. R. R. WIMPERIS.
5.	Nuneaton	...	...	Mr. T. G. MORETON.
6.	Bedworth	...	...	Mr. H. E. GUTTERIDGE.
7.	Solihull	...	...	Mr. F. PEACH.
8.	Rugby	...	...	Mr. W. J. JACOB.
9.	Dunchurch	...	...	Mr. B. J. HARRISON.
10.	Leamington Spa	...	...	Mr. E. M. COY.
11.	Warwick	...	...	Mr. P. COY.
12.	Kenilworth	...	...	Mr. E. H. THORNETT.
13.	Southam	...	...	Mr. P. W. P. HALL.
14.	Stratford-on-Avon	...	...	Mr. A. E. AMOS.
15.	Alcester	...	...	Mr. F. SPOONER.
16.	Wellesbourne	...	...	Mr. W. ELLIS.
17.	Shipston-on-Stour	...	...	Mr. C. REASON.

County Midwives.—Sister G. ROSE (Rugby County Maternity Home) resigned April 26th, 1932. Staff-Sister V. M. ROBINSON, C.M.B., S.R.N., appointed Sister-in-Charge as from May 1st, 1932. Midwife A. PAYNE resigned January 7th, 1932. Midwife E. A. WHITEHOUSE resigned February 26th, 1932. Nurse IVY SMITH, C.M.B., S.R.N., appointed Staff Sister as from July 1st, 1932 (County Maternity Home, Rugby).

23. **NURSING IN THE HOME.**—This has been continued as formerly by the County Nursing Association, under the able Superintendentship of Miss G. EMLY, S.R.N., C.M.B., R.San.I., and by the Newnham Benefit Nursing Association. There are still 49 Associations affiliated to the County Nursing Association, employing 62 Nurses as follows :—

Queen's Nurses	...	...	...	14
Fully trained Nurses with C.M.B.	...	...	...	9
Village Nurse Midwives with C.M.B.	...	...	...	37
Emergency Nurses	...	...	...	2
				62

24. In the Newnham Benefit Nursing Association there are five District Associations unaffiliated to the County Nursing Association and employing 7 Nurses, all holding the C.M.B. Certificate and having had some general nursing training.

Summary of Nurses' work during the year :—

25. (a) County Nursing Association—

No. of Midwifery cases	...	...	...	725
No. of Maternity cases	...	...	...	252
No. of General cases	...	...	...	6,127
No. of Nursing Visits	...	...	...	111,687
No. of Ante-Natal Visits	...	...	...	3,976
No. of I.W.C. Visits	...	...	...	322

26. (b) Newnham Benefit Nursing Association—

No. of Midwifery cases	...	...	...	152
No. of Maternity cases	...	...	...	61
No. of General Nursing Visits	...	...	...	3,694
No. of Maternity Visits	...	...	...	2,860

27. **MIDWIVES.**—There were 252 Midwives practising in the County during the year and of these 56 were inspected by neighbouring Local Supervising Authorities, the remainder—196—being entirely supervised by the Warwickshire County Council. Of these 133 were inspected by the County Health Visitors with Miss M. S. LOWE as Superintendent of Inspectors of Midwives, and 63 were inspected by the Superintendent of the County Nursing Association, who is responsible to the County Council for the Midwives of the affiliated Associations.

28. 411 visits of inspection were paid to Midwives during the year, and in addition 643 visits in connection with matters arising in their practice.

29. Of the 252 practising Midwives, 238 were trained and 14 bona-fide. Five Midwives resigned during the year on account of age or ill-health, and one bona-fide Midwife died.

30. 3,051 births or 52 per cent. were attended by Midwives alone and 1,001 by Midwives acting as Maternity Nurses. Thus 4,052 women have been attended by registered Midwives either with or without a doctor, and 1,715 have had the service of a doctor but without the help of a registered midwife.

31. Only one Midwife continues to receive a subsidy of £30 per annum owing to the paucity of midwifery cases in the district in which she practises.
32. Six Midwives suspended for periods in excess of 24 hours, through having been in contact with infection have received compensation amounting to £10 8s. 6d. No claim has yet been received in respect of an independent practising Midwife whose case has been recommended by the Medical Officer of an Ante-Natal Clinic for admission to Hospital for confinement. Compensation in such a case is promised to cover the whole of the Midwife's fee.
33. On April 1st, 1931 the Borough of Nuneaton was constituted a Local Supervising Authority under Sec. 62 of the Local Government Act, 1929; this Authority now being concerned with the supervision of 13 Midwives, previously inspected by officers of the County Council.
34. **MEDICAL HELP FOR MIDWIVES.**—944 notices of Medical Help were issued during the year as against 1,069 in the previous year. Of these notices there were submitted by Doctors as claims 642, amounting to £915 8s. 6d., as against £888 in 1930 and £639 in 1929. If all claims had been submitted by doctors to the County Council for payment, the amount paid last year would have been £1,345, and so long as the Act insists on claims being submitted within two months from the date on which the doctor was first called in by the Midwife and payment is refused in the case of belated claims, there is every reason to believe that exceptionally few claims will in future be withheld by Doctors who in the past have endeavoured to obtain their fee direct from the patient.
35. Contributions have been collected from patients during the calendar year amounting to £201 11s. 4d.

36. *Reasons for sending for Medical Help :—*

Albuminuria	...	...	...	21	Stillbirths	...	...	...	27
Eclampsia	...	...	...	6	Premature Births	...	...	...	40
Abortions	...	...	...	48	Ruptured Perineum	...	...	...	188
Ante-partum Haemorrhage	...	...	...	37	Rise of Temperature	...	...	...	29
Post-partum Haemorrhage	...	...	...	22	Feebleness of Infant	...	...	...	21
Placenta Praevia	...	...	...	4	Other Abnormal Conditions	...	...	...	36
Retained Placenta or Membranes	...	...	...	23	Injury at Birth	...	...	...	1
Contracted Pelvis	...	...	...	1	Phimosis	...	...	...	3
Malpresentation and Difficult Breech	...	...	...		Suspicious Skin Eruptions	...	...	...	6
Presentations	...	...	...	59	Congenital Deformities	...	...	...	18
Prolonged Labour	...	...	...	191	Inflammation of Infants' Eyes	...	...	...	65
Inflammation of Breasts	...	...	...	6	Condition of Mother ill-defined	...	...	...	49
Cardiac Weakness	...	...	...	19	Condition of Infant ill-defined	...	...	...	14
Varicose Veins	...	...	...	8	Detained at another case	...	...	...	2
									Total ... 944

37. **LABORATORY FACILITIES.**—These have been continued as formerly at the Birmingham University at agreed charges. A reduction was made during the year under review in the cost of Diphtheria Swabs, a flat rate of 3s. 6d. for Diphtheria suspects and contacts being agreed upon. This has materially reduced the total cost of Bacteriological examinations, a further reduction being effected through fewer Diphtheria swabs being taken—342 notifications as against 574 in 1930.

38. In a circular letter to Practitioners issued in January, 1932, the importance of the presence or absence of clinical signs was stressed in relation to swabbing in Diphtheria, and in connection with house contacts and schools the letter said :—

"Swabs need not generally be taken from all family or house contacts but only from those in the same house suffering from sore throat, sore nose, or shewing any other clinical signs of infectivity.

"When the question arises of swabbing a large community such as a class, school or institution, for the detection of 'carriers' any action taken under the County Council Scheme shall be conditional upon the circumstances being first referred to the County or District Medical Officer of Health for his approval.

"It is hoped that by following in practice the lines referred to above, some considerable economy may be effected without detriment to the general Public Health and without in any way affecting the interests of the patients themselves, and in this connection I would ask your attention and active co-operation."

39. Bacteriological Examinations carried out by the Birmingham University during the last three years are as follows:—

Examinations at University of Birmingham.

	1929.	1930.	1931.
Swabs from Suspected Diphtheria			
Cases	2,785	3,435	2,613
Swabs from Diphtheria Contacts	603	827	370
Blood Examination for Typhoid			
and Para-typhoid	132	226	152
Blood films for Malaria	—	—	—
Faeces for Typhoid	15	26	28
Faeces for Dysentery	2	5	3
Sputa for Tubercle	1,108	525	489
Cerebro-Spinal Fluid	—	1	1
Special Examinations	13	30	13
	<hr/> 4,658 <hr/>	<hr/> 5,075 <hr/>	<hr/> 3,669 <hr/>

40. In addition to the above Dr. L. L. FYFE, Medical Officer of Health for the Stratford-on-Avon District, carried out 133 examinations:—Diphtheria 59, Sputa for Tubercle 53, Cerebro-Spinal Fluid 3, Blood Films for Malaria 2, Swabs for Gonorrhoea 16.

41. Since June 1st, 1932, Dr. FYFE has ceased to undertake this work for the County Council and all examinations are now carried out by the Birmingham University.

42. LEGISLATION IN FORCE.—During the year under review the following Acts and Orders bearing on Boundary Alterations under Sec. 46 of the Local Government Act, 1929, became operative:—

Borough of Nuneaton (Extension) Order, 1931, came into operation April 1st, 1931.

Borough of Warwick Order, 1931, came into operation April 1st, 1931.

Birmingham and Sutton Coldfield Order, 1931, came into operation April 1st, 1931.

Ministry of Health Provisional Orders Confirmation (Gloucestershire, Warwickshire and Worcestershire) Act, 1931, came into operation April 1st, 1931.

Warwickshire (Farnborough and Southam Rural Districts) Order, 1931. Date of operation, April 1st, 1932.

Rugby Urban District (Extension) Order, 1931. Date of operation, April 1st, 1932.

Warwickshire Review Order, 1932. Date of operation, April 1st, 1932, but immediately after the Coventry Extension Act, 1931, and the Rugby Urban District (Extension) Order, 1931, have come into operation.

43. HOSPITALS.—There has been no material change in the Hospital service since last year's Report, and further comment is unnecessary.

44. MATERNITY AND NURSING HOMES.

Nursing Homes Registration Act, 1927.

1.	No. of applications for Registration during 1931	...	...	...	3
2.	No. of Homes registered during 1931 (Maternity 2, Nursing 1)	...	...	...	3
3.	Total number registered in the County (Maternity 11, Nursing 4)	...	...	...	15
4.	No. of Orders made refusing or cancelling registration (Cancellations on re-registration)	...	...	...	2
5.	No. of appeals against such Orders	...	...	...	—
6.	No. of cases in which such Orders have been—				
	(a) confirmed on appeal	...	...	...	—
	(b) Disallowed	...	...	...	—
7.	No. of applications for exemption from Registration	...	...	...	—
8.	No. of cases in which exemption has been—				
	(a) granted	...	...	...	—
	(b) withdrawn	...	...	...	—
	(c) refused	...	...	...	—

The exemptions previously granted in the case of the following Hospitals have been extended :—

Stratford-on-Avon General Hospital.
Rugby Hospital of St. Cross.

Delegation of Powers.—No further delegation has been granted since my last Report.

45. COUNTY MATERNITY HOMES.—138 Maternity cases have been dealt with in the two County Maternity Homes, 16, Hillmorton Road, Rugby and 3, The Butts, Warwick. Of these, 96 were admitted to the Rugby Home and 42 to the Warwick Home. In addition to this comparatively small number of cases dealt with in the Warwick Home, 36 patients were attended by the Warwick County Midwives on the District, that is in the patients' own homes in the Borough of Warwick and the immediate neighbouring district. At the Public Assistance Institutions 65 Maternity cases were admitted during the year, making a total of 239 Maternity cases dealt with under the auspices of the County Council.

46. It is gratifying to record an entire absence of Puerperal Fever at either of the County Maternity Homes, only two mild cases of Puerperal Pyrexia having been notified during the year, one at Rugby and one at Warwick, both being non-infective in character.

47. The following Reports on the two County Maternity Homes have been submitted by Miss M. S. LOWE, M.B.E., Superintendent, giving details of associated activities such as Ante-Natal attendances, Infant Welfare Centres and the Training of Pupil Midwives :—

48. *County Health Centre and Maternity Home, 16, Hillmorton Road, Rugby.*

"During the year ending 31st December, 1931, ninety-six patients were admitted to the Home.

"The average duration of stay for confinement was fourteen days.

"In addition, forty-one patients had treatment for ante or post-natal conditions, making a total stay of one hundred and thirty-seven days, an average stay of 3.3 days per patient. All these patients were discharged in a satisfactory condition.

"*Ante-Natal Clinics.*—Eighty-five patients attended the Ante-Natal Clinic and three hundred and eighteen attendances were made by patients, making a total attendance of four hundred and three, as compared with three hundred and nine attendances during 1930. The attendance of patients after having paid their first visit to the Ante-Natal Clinic is very encouraging, this proves that they do appreciate the supervision given them by the Medical Officer.

"The number of patients admitted at reduced fees was fourteen.

"One mild case of Pyrexia occurred during the year. No case of Puerperal Fever was notified. Also one case of Ophthalmia occurred at a very late date of infection, namely the twelfth day after birth. The doctor in charge of the case discharged the mother and infant on the fourteenth day, and treatment was given at the baby's own home. The case completely recovered.

"*Pupil Midwives.*—One Pupil Midwife, Nurse Hare, was transferred to Warwick Maternity Home for her district training, and two new pupils, Nurses Tremaine and Bruce, were admitted for training.

"Although the number of patients admitted to the Home has decreased somewhat, it is hoped that next year, 1932, the number will have increased.

"At Christmas time several grateful patients sent gifts to the staff, which were very much appreciated.

"The Home has been carried on on the usual lines, and there is evidence that the patients do fully appreciate the good nursing and comfort provided by the County Council.

"I should like to record my sincere appreciation and thanks for the valuable assistance and interest accorded me by the Chairman and the Committee during the past year.

"(Signed) M. S. LOWE,
"Superintendent."

49. *County Health Centre and Maternity Home, 3, The Butts, Warwick.*

"During the year ending 31st December, 1931, seventy-eight cases were attended by the County Midwives. Of these, forty-two were admitted to the County Maternity Home, the remainder being attended on the district.

"The average duration of stay in the Wards for the purpose of confinement was just under fourteen days. One or two patients made remarkably good recoveries, and requested that they might be discharged on the thirteenth day instead of the fourteenth.

"One case of Pyrexia occurred, but this was of very short duration, and was not of an infective character.

"Twenty-one patients were admitted to the Home at reduced fees, but in spite of this the cost of the Home has been the lowest recorded since the opening in 1919. This appears to be very satisfactory from a financial point of view.

"*Ante-Natal Clinics.*—There has been an increase in the attendance of new patients from seventy-one to seventy-six, with an attendance of old patients of one hundred and fifty-eight, as compared with one hundred and forty-one in the previous year. This brings the total attendances to two hundred and thirty-four, as against two hundred and twelve. One patient was transferred to Hospital from the Clinic for Caesarean section.

"*Pupil Midwives.*—One Pupil Midwife, Nurse Hare, was transferred from the Rugby Home for district training, she sat for her examination and passed. Two new pupil Midwives were admitted for training, namely Nurses Griffin and Hague. One pupil midwife Nurse Golder, was admitted for training at an earlier date, but was unable to continue, owing to ill-health.

"*Infant Welfare Centres.*—During the year at the two Infant Welfare Centres at which the County Midwives and Pupils attend two thousand six hundred and forty attendances were made by infants.

"During the year the work at the Home has been carried out on the usual lines, and although the number of cases admitted is one less than in the previous year, the number of cases booked for 1932 is much larger than it has ever been. Patients realise that they make better and quicker recoveries away from the household cares and responsibilities that usually fall to the lot of lying-in women when confined in their own homes.

" I should like to offer my sincere thanks to the Chairman and members of the House Committee for their invaluable help and encouragement during the past year.

" (Signed) M. S. LOWE,
" Superintendent."

50. CLINICS AND TREATMENT CENTRES.

Infant Welfare Centres.—Since last year's Report the following changes have been effected through alteration in boundaries, under Sec. 46 of the Local Government Act, 1929, and several new Infant Welfare Centres have been started :—

Bolehall Infant Welfare Centre, Tamworth.—These premises have been transferred to the Borough of Tamworth, and are now under the control of the Staffordshire County Council.

Binley Infant Welfare Centre.—Now in the City of Coventry.

Minworth Infant Welfare Centre.—Now transferred to the Borough of Sutton Coldfield.

Walsgrave-on-Sowe Infant Welfare Centre.—Now in the City of Coventry.

Solihull Infant Welfare Centre has since moved to new premises at Brook House, Lode Lane, Solihull.

Wilnecote Infant Welfare Centre has since moved to the Parish Council Hall, Wilnecote.

51. The following new centres have been provided :—

Dunchurch Infant Welfare Centre, at the Women's Village Institute, Dunchurch.

Berkswell Infant Welfare Centre, at the Reading Room, Berkswell.

Long Lawford, Rugby, Infant Welfare Centre, at the Reading Room, Long Lawford.

Polesworth Infant Welfare Centre, at the Parochial Hall, Polesworth.

52. *School (Minor Ailments) Clinics* :—

Binley School Clinic transferred to the City of Coventry.

Bolehall School Clinic transferred to the Staffordshire County Council.

53. *Orthopaedic Clinics* :—The Warwick Orthopaedic Clinic has now been transferred to the Warneford Hospital, Leamington, but is still run as a branch Clinic from the Coventry and District Crippled Children's Guild.

54. MATERNAL MORTALITY.—There were registered 8 deaths of mothers from Sepsis and 17 from other causes consequential upon childbirth, giving a maternal mortality of 4.3 per 1,000 births, as against 4.5 in the previous year. Inquiry into these deaths is still being carried out locally, the completed inquiries being afterwards forwarded to the Ministry of Health for expert investigation.

55. Among the various measures now in operation to combat this too high death-rate among mothers is the provision of Hospital accommodation for complicated maternity cases ; 67 cases of this nature were admitted to the Warneford Hospital, Leamington, the Coventry and Warwickshire Hospital, Coventry, the Hospital of St. Cross, Rugby, the General Hospital, Nuneaton, and the Maternity Hospital, Birmingham, and advantage has been taken by Doctors of the advice of the two obstetric specialists appointed by the Council for consultative purposes.

56. Ante-Natal supervision has been continued during the year at the Ante-Natal Clinics at Warwick, Rugby, Arley, Bedworth, Keresley, Earlswood, Coleshill and Stratford-on-Avon. The Clinic previously held at Minworth was transferred to Coleshill on the inclusion of Minworth in the Borough of Sutton Coldfield on April 1st, 1931. The attendances at the above Clinics were as follows :—

ANTE-NATAL CLINICS:—

	Medical Officer.	Patients on Register.	Attendances.
Arley Miners' Welfare, Gun Hill (April, 1931)	Dr. AGNES YOUNG ...	50	105
Warwick County Maternity Home, 3, The Butts	Dr. KATHERINE SCOTT	76	234
Rugby County Maternity Home, 16, Hillmorton Road	Dr. KATHERINE SCOTT	85	403
Stratford-on-Avon, The Bungalow, Tyler Street	Dr. L. L. FYFE ...	20	28
Bedworth, Saunders Avenue	Dr. AGNES YOUNG ...	65	209
Earlswood, Village Hall	Dr. KATHERINE SCOTT	15	30
Keresley, Church Hut	Dr. MARY LITTLEJOHN	32	56
Coleshill, Town Hall (April, 1931) ...	Dr. KATHERINE SCOTT	22	48
Total ...		365	1,113

Dr. AGNES YOUNG, Assistant County Medical Officer, reporting on her Ante-Natal work in the Eastern division of the County, refers to the fear experienced by mothers at their approaching confinement, occasioned possibly by the undue prominence given to the question of Maternal Mortality in the lay press, and she regards the counteracting of this fear as an important duty in Ante-Natal supervision.

Continuing, she says :—" If this dread is dispelled during pregnancy there is much less chance of an otherwise normal delivery being adversely affected by any psychological factors, for undoubtedly fear can inhibit proper uterine contraction, resulting then in instrumental delivery and an added risk of infection."

Referring to 228 cases that have passed through the Bedworth Ante-Natal Clinic since its inception in May, 1928, the following results are recorded :—

Number of cases	228
Normal pregnancies and deliveries	192
Abnormal pregnancies and deliveries	34
Abortions	2
Stillbirths	1
Eclampsia	1
Maternal Deaths	2
COMPLICATIONS OF PREGNANCY :	
Albuminuria alone	2
Albuminuria with Eclampsia	1
Contracted pelvis	6
Cardiac Disease	3
Ex-ophthalmic goitre	2
Syphilis	2
Ovarian Cysts and Fibroids	2

All the complications of pregnancy with the exception of three, terminated successfully after the necessary supervision and treatment had been given. The three exceptions were :—

- (1) Ex-ophthalmic goitre—maternal death after operation.
- (2) Chronic Bronchitis and Cardiac Disease—maternal death.
- (3) Contracted and deformed pelvis—stillbirth.

57. PUERPERAL FEVER AND PUERPERAL PYREXIA REGULATIONS.—21 notifications of Puerperal Fever were received during the year as against 24 in the previous year. Of these 8 terminated fatally, giving a case mortality of 38 per cent. In addition 46 cases were notified as Puerperal Pyrexia, these not being necessarily septic in character. Many, however, were found on investigation to be associated with a septic source which bears

out the importance of careful investigation into every case of Puerperal Pyrexia. It is my custom, whenever information reaches me of a case of this description, to get into immediate touch with the practitioner attending or called in to the case and ascertain from him the nature of the condition responsible for the rise of temperature. The midwife in attendance can then be dealt with and any possible spread of infection to other healthy parturient women prevented.

58. 22 cases were admitted under these Regulations to Hospital under the County Scheme and a second opinion was sought in 10 instances.

59. HEALTH VISITING.—During the year under review the Health Visiting Staff continued their work at full strength, 18 Health Visitors with Miss M. S. LOWE, M.B.E., as Superintendent. Reference to the work accomplished, even in the one activity—Infant Visiting—set out in detail in Table G of the Appendix, shews that more families than ever are being reached, and that greater attention is being paid to the infant in the home. Over three thousand more visits were paid to Infants up to 5 years of age than in the previous year, and six thousand more than in 1929. But in spite of this the Infant Death Rate has increased from 49 to 55 per 1,000 births, although this rate may have been considerably higher had careful home supervision of infants not been carried out.

60. 3,388 first visits and 7,583 re-visits were paid to children under 12 months in respect of 4,166 births registered in the Maternity and Child Welfare County, a total of 10,971 home visits to infants under 12 months. To children between 12 months and 5 years there were paid 1,004 first visits and 5,351 re-visits, a total of 6,355 home visits to children of those ages. Visits to infants and to children up to 5 years of age have accordingly numbered 17,326 as compared with ~~16,665~~ in the previous year, and 10,665 in 1929.
13,949

61. INFANT WELFARE CENTRES.—Linked up with the home visiting of infants is the supervision provided by their attendance at Infant Welfare Centres. It is of interest to note that of the 4,166 births registered in the Maternity and Child Welfare County, 1,477 infants under 12 months attended the Infant Welfare Centres, or approximately one-third of all those born. This is a gratifying figure since there are 36 Infant Welfare Centres and still a number of villages where Centres might well be provided. The infants made 18,046 attendances, and the mothers, who numbered 2,608, made 30,881 attendances. In addition to children under 12 months there were on the registers of the Centres 1,819 children between 12 months and 5 years, and these made 18,959 attendances, a total of 37,005 attendances of infants and children during the year.

62. Although four Infant Welfare Centres have been transferred to other Authorities during the year, four new Centres have been provided, leaving the number 36, the same as last year. I would still like to see Centres opened at Kingsbury or Wood End, Brinklow or Brandon, Kineton, Shipston-on-Stour and in the extreme North of the County at Newton Regis or Austrey.

63. THE WARWICKSHIRE FEDERATION OF VOLUNTARY INFANT WELFARE CENTRES.—At the Annual Conference held in the Shire Hall, Warwick, on May 9th, 1932, the Mildred Lowe Shield was presented to the Wilnecote Infant Welfare Centre, having been held by Earlswood during the previous year.

64. The Conference was again a marked success. The presentation of the Shield for the year was made by Professor BOSTOCK HILL, and addresses were given by Dr. SALLEBY on "Sunlight," Miss MARRIOTT on "Nursery Schools" and by Dr. JEAN SMITH on "Some Forms of Malnutrition in Childhood."

65. CHILDREN ACT, 1908.—On January 1st, 1931, there were on the County Council Register 117 nursed out children, 34 of whom were associated with the National Orphanage at Sutton Coldfield. During the year under review 53 names have been removed from the County Register—19 from the National Orphanage and 34 from among those supervised by the County Infant Protection Visitors—and 35 new cases have been added to the Register, making a total of 99 children dealt with during the year, 15 of whom were associated with the National Orphanage, Sutton Coldfield.

66. There were therefore on our Home Supervision Register 84 cases who have been visited periodically by the County Infant Protection Visitors, the cases being distributed in the County Districts as follows:—

Alcester	...	...	...	...	2
Shipston-on-Stour	...	...	...	...	5
Bedworth	...	...	...	...	4
Kenilworth	...	...	...	...	1
Meriden	...	...	...	...	9
Nuneaton	...	...	...	...	2
Rugby	...	...	...	...	16
Solihull	...	...	...	...	9
Southam	...	...	...	...	5
Stratford-on-Avon	...	...	...	...	10
Tamworth	...	...	...	...	8
Warwick	...	...	...	...	13
					<hr/>
Home Supervision	...	...	...	...	84
Associated with National Orphanage	...	...	...	...	15
					<hr/>
Total on County Register	...	...	...	...	99
					<hr/>

During the year all the new cases have been visited and reported upon in detail, and in addition 340 re-visits have been paid, including those to children already on the Register.

SANITARY CIRCUMSTANCES OF THE AREA.

67. WATER SUPPLY:—

Bulkington Urban District.—Reference is made in the Medical Officer's Report to the Water Supply for this area consisting of an eight-inch bore hole 276 feet deep, and yielding 6821.9 gallons per day. There are at present 284 houses supplied from the main, 28 new connections having been made during 1931. The scheme consists also of a water-tower with tank of 20,000 gallons capacity.

68. *Kenilworth Urban District.*—Dr. GIBBONS WARD reports no change since 1930, but he says there are still 47 houses within the area covered by the water mains which still derive their supply from shallow wells.

69. *Leamington Spa.*—The water supply is derived from the two deep wells—Lillington and Campion Terrace. Dr. W. L. GOLDIE remarks that the extra supply of water obtained from the new heading driven in 1925 seems to be well maintained, but it appears probable that in the near future it will be necessary to take steps to augment the present yield.

70. *Rugby Urban District.*—This water supply is well maintained and a high degree of bacterial purity is secured after treatment. Dr. GIBBONS WARD reports that there are under construction rapid gravity filters capable of dealing with 2,000,000 gallons per day for further treatment, and a pure water storage reservoir of 600,000 gallons capacity, which it is hoped will be working shortly.

71. *Stratford-on-Avon Borough*.—No change is reported in the water supply for the Borough which is from an Artesian Bore Well of excellent quality, and a subsidiary supply from a gathering ground at Snitterfield. This latter supply entails careful treatment, but it is gratifying to find that a high state of bacterial purity has been maintained throughout the year.
72. *Stratford-on-Avon Rural District*.—Supplies from mains are available in Beaudesert, Clifford Chambers, Combroke, Dorsington, Henley-in-Arden, Long Marston, Loxley, Kineton and Ullenhall, and small public supplies are provided at Binton, Bearley, Hampton Lucy and Weston-on-Avon. Dr. L. L. FYFE reports that 52 samples were taken during the year from shallow wells in the district, and appropriate measures taken to deal with eighteen found to be unfit for domestic use.
73. *Alcester Rural District*.—Alcester, Studley and Great Alne are provided with mains supplies, but Bidford-on-Avon and the remainder of the Rural District depend on surface wells for their water. With regard to Bidford-on-Avon, where surface wells are contaminated with sewage, Dr. SPENCER says :—" The Committee appointed to consider the question of a public supply is still making investigations."
74. *Meriden Rural District*.—Extensions to mains have been carried out at Castle Bromwich, Coleshill, Lea Marston, Over Whitacre and Sheldon. Dr. GIBBONS WARD reports that of 35 samples of water taken during the year 12 were reported to be unsatisfactory.
75. **MINISTRY OF HEALTH INQUIRIES**.—The following Inquiries have been held into applications for loans for water supply, sewerage or sewage disposal during the year 1931 :—
- (1) Sutton Coldfield Borough, £12,500 for works of sewerage within the Borough.
 - (2) City of Birmingham, £284,400 for works of sewerage, including works in the contributory place of Solihull, in the Solihull Urban District, and the contributory places of Coleshill and Sheldon in the Rural District of Meriden.
- This inquiry was in respect of the provision of the Cole Valley Sewer, the scheme providing sewerage for a large portion of that area of the County recently transferred to Birmingham, but also serving parts of Meriden and Solihull, still within the County and adjacent to the Birmingham new boundary.
- (3) Tamworth Rural District, £9,200 for works of sewerage and sewage disposal for the contributory places of Kingsbury and Wilnecote, and Castle Liberty.
 - (4) Kenilworth Urban District, £6,000 for works of sewage disposal, including works in the contributory place of Stoneleigh in the Rural District of Warwick.
 - (5) Solihull Rural District, £1,894 for purposes of sewerage and sewage disposal for the contributory place of Tanworth-in-Arden.
 - (6) Bulkington Urban District Council, £736 for the purchase of land in Bulkington Village for the purpose of refuse disposal.
 - (7) Solihull Rural District Council, £3,080 for works of sewerage for the contributory place of Solihull.
76. **RIVER POLLUTION AND SEWAGE DISPOSAL**.—During the year under review 32 visits of inspection have been made to Sewage Disposal Works, and 80 samples have been submitted for chemical analysis.
77. *River Tame*.—From Reports received periodically of the work of the Upper Tame Basin Joint Committee, one is impressed with the improvement that is being effected in the Upper Tame through the activities of this Committee, but one fails to observe any material improvement in the quality of the River water during its course through Warwickshire, that is from Castle Bromwich up to Ladybridge, Tamworth. It remains, unfortunately, a grossly polluted stream, and in no part of its course is it capable of maintaining fish life.

Effluents are received from the Birmingham Tame and Rea Works, Minworth, from the comparatively small works at Kingsbury, from the small but new works at Dosthill, and from the Tamworth Joint Sewage Works at Alrewas, just outside the County of Warwick. These various works have been kept under observation during the year.

78. *River Anker*.—This River, the principal tributary of the River Tame, receives effluents from the Hinckley Sewage Works in Leicestershire, from the Borough of Nuneaton, from Bedworth via the Wem Brook, from Atherstone, Polesworth, Amington, and from Dordon and Baddesley via the Penmire Brook. It is gratifying, however, to report the presence of coarse fish, particularly in the lower reaches from Polesworth down to its confluence with the River Tame at Ladybridge, Tamworth. At each of the above-mentioned places the sewage is dealt with by bacterial filtration, new works at Amington having been installed during the year under review.

79. *Rivers Blythe and Cole*.—These tributaries of the River Tame have been kept under observation during the year, effluents reaching them from Solihull, Olton, Knowle, Hampton-in-Arden, Coleshill and from the Birmingham Tame and Rea Works at Colehall and Acocks Green. It is of interest to record the recent extension of the area of the Tame and Rea District Drainage Board to include the Olton, Solihull and Knowle Works previously administered by the old Solihull Rural District Council. Improvements in the sewerage and sewage disposal of these rapidly developing districts are already contemplated which, it is hoped, will safeguard the interests of these important streams.

80. *River Avon*.—The principal effluents entering directly or indirectly into the River Avon within the County are from Rugby, Coventry, Leamington, Warwick, Kenilworth, Stratford-on-Avon and Alcester. The River has been kept under observation during the year and it is gratifying to record no further deterioration, but if anything a slight improvement in its condition generally.

81. It is of interest to note that in a recent Hydrographical Survey of the River Avon carried out at the request of the Ministry of Agriculture and Fisheries, the following percentages of dissolved oxygen were obtained, giving a rough indication of the effect of pollution on the River at the various points mentioned.

82. *Dissolved Oxygen Results* :—

<i>River Avon.</i>							
<i>Position.</i>				<i>Percentage of Dissolved Oxygen.</i>			
Dow Bridge (Watling Street)	73
Newton	74
Newbold-on-Avon	67
Church Lawford	74
Bretford	72
Wolston	79
Ryton (above Coventry)	73
Bubbenhall (below Coventry)	52
Cloud Bridge	55
Chesford Bridge	64
Guy's Cliff	66
Porto Bello	70
Castle Bridge, Warwick	68
Barford	73
Clopton Bridge	67
Bidford-on-Avon	79
Cleve Prior	79
Evesham Old Bridge	88

83. *Rugby Sewage Works.*—Considerable improvements have been effected at these works in respect of Settling Tank treatment and cleansing of filter medium, which are bound to have a beneficial effect upon the effluent produced. The works appear to be well managed and yield an effluent of a satisfactory quality.
84. *Coventry Sewage Works.*—The works at Baginton have been continued at considerable pressure, pending the operation of the new works at Finham. The Sludge Digestion Tanks constructed at Baginton have proved a marked success, and are undoubtedly meeting the difficulty of sludge nuisance, the offensive smells arising in the past during this treatment being now reduced to a minimum. The new works at Finham are now nearing completion and should be in full operation shortly. They are designed to deal with three million gallons daily and should relieve the pressure so long put on the Baginton Works, but in view of future sewerage developments consequent upon the City's recent extension, it is imperative that the Authority should make adequate provision not only for immediate needs but for the needs of the near future, if the amenities of the River Avon in the vicinity of Coventry and for a considerable distance below that point are to be preserved.
85. *The Leamington Sewage Works* continue to be managed in a satisfactory manner and it is gratifying to report progress in the provision of new Bacterial Works for the Borough of Warwick.
86. *The Stratford-on-Avon Sewage Works* produce an effluent in no way detrimental to the River, and no complaints have been received during the year in respect of Bidford-on-Avon sewage. In view, however, of sewerage developments in this area, the question of adequate Sewage Disposal Works must be borne in mind by the Alcester Rural District Council.
87. SCHOOLS.—It was found advisable to close 84 Departments during the year on account of infection in the schools :—Measles 38, Influenza 26, Chicken Pox 8, Whooping Cough 5, Mumps 4, Scarlet Fever 2 and Diphtheria 1. Of the 38 closures on account of Measles, 31 occurred during the first three months of the year, Influenza being prevalent at the same time. Whooping Cough and Mumps were also prevalent during this first quarter, and during the December quarter Whooping Cough increased considerably. Immediate information is sent by Head Teachers both to the School Medical Officer and to the District Medical Officer of Health of absence or exclusion from school of any child suffering from infectious or suspected infectious disease, to enable appropriate measures to be taken in the control of any such outbreak.

INSPECTION AND SUPERVISION OF FOOD.

88. MILK AND DAIRIES ACT AND ORDER.—While reports are received from outside authorities, principally Birmingham and London, of Tubercle infected milk produced within the County, samples are also taken by the County Food Inspectors from vendors for the detection of Tubercle bacilli. Prior to 1931 authority was given to take 150 such samples within the County, but as a measure of economy this number was reduced in 1931 to 100, but has since been increased again to 150. Samples are also taken by some District Councils, notably Solihull Urban, Warwick Borough, Rugby Urban, Rugby Rural and Tamworth Rural Districts.
89. Under the Milk and Dairies (Consolidation) Act, 70 herds, notified to me by various Authorities, and also by our own Food Inspectors, have been inspected, together with 12 herds carried forward from the previous year, and the results are as follows :—

1. Cows found tuberculous under the Milk and Dairies Act and Order, and slaughtered under the Tuberculosis Order	...	...	...	...	...	55
2. Herds subsequently freed from disease	...	...	...	...	...	77
3. Herds still under observation and investigation not yet complete at end of year	...	...	...	...	...	5

90. In connection with these investigations the Veterinary Inspectors (part-time) have, on advice from me, inspected 2,197 cows as compared with 1,519 in the previous year.
91. In the administration of the scheme for the eradication of Tubercle infected milk, there is close co-operation between the County Public Health Committee and the Agricultural Committee—the latter administering the Tuberculosis Order—and helpful advice is obtained from time to time from the Agricultural Adviser of the Education Committee, and although progress towards this end is perhaps slow in view of the heavy cost involved, there is every indication of improvement in the standard of milk now being produced in the County generally.
92. MILK (SPECIAL DESIGNATIONS) ORDER, 1923.—During the year 1931, 37 Licences were issued by the County Council for the production of Grade A Milk, as against 28 in the previous year, and 16 Licences were issued by the Ministry of Health for the production of Certified and Grade A (Tuberculin Tested) Milk. In the supervision of graded Milks useful service is now being given by those District Councils in whose area the milk is retailed, and in addition to sampling undertaken by such District Councils, the County Council has authorised the taking of 50 samples for Bacterial Count and Coli, this number, however, to include the taking of 20 samples of Ice Cream.
93. THE PUBLIC HEALTH (PRESERVATIVES, ETC., IN FOOD) REGULATIONS, 1925 to 1927.—Under these Regulations 4 samples of Cream, 2 of Tinned Cream and 1 of Milk have been examined and all were found to be genuine. None contained preservative.
94. SALE OF FOOD AND DRUGS ACT.—During the year 1931, 735 samples were submitted for analysis by the County Inspectors, and 58 by the District Council Inspectors, making a total of 793 for the County. Of these, 60 were found to be adulterated, giving a sample adulteration figure of 7.5 per cent., as against 4.6 per cent. for the whole country. With regard to milk adulteration alone the figure was 8.1 per cent., as against 6.4 per cent. for the whole country.
95. Among the adulterated samples were the following :—Milk 49 (vendors 35), Table Vinegar 2, Calomel Ointment 2, Gregory Ointment 2, Cream 1, Whiskey 1, and Compound Licquorice Powder 1. Proceedings were taken in 19 cases against 13 vendors, fines and costs amounting to £40 12s. 6d.
96. In connection with Milk adulteration, Mr. RIGBY, County Analyst, gives the following table, shewing the average composition of all the samples analysed during the year and also the average for each quarter :—

<i>Period.</i>	<i>No.</i>	<i>Non-fatty</i>		<i>Total</i>
		<i>Solids.</i>	<i>Fat.</i>	
March Quarter	172	8.7	3.6	12.3
June Quarter	78	8.8	3.5	12.3
September Quarter	161	8.8	3.6	12.4
December Quarter	193	8.9	3.8	12.7
Whole Year	604	8.8	3.6	12.4
Legal Limits	—	8.5	3.0	—

97. SUPPLY OF MILK TO MOTHERS AND INFANTS.—The provision of Free Milk to necessitous Expectant and Nursing Mothers and to Infants has been continued by the Maternity and Child Welfare Sub-Committee as formerly. Every endeavour is made to co-operate with and avoid overlapping by the Public Assistance Committee, and in this connection a special report was submitted to the County Public Health Committee, in which was stressed the desirability of this service remaining the concern particularly of the Maternity and Child Welfare Committee.

98. During the year 360 new applications for free milk were granted and supplies were renewed monthly, representing an average of 186 families in receipt of milk throughout the year. Milk thus provided amounted to 66,032 pints (or its equivalent of dried milk). The actual apportionment of dairy milk and dried milk was as follows:—

Dairy Milk	...	...	...	64,457 pints.
Dried milk	...	...	...	225 packets (or 1,575 pints),

representing a supply of 8,254 gallons, as compared with 6,812½ gallons in the previous year.

99. This increase is dependant upon two chief factors—(1) continued unemployment and low wages and (2) increased vigilance on the part of the County Health Visitors in discovering cases eligible for such assistance.

PREVALENCE OF AND CONTROL OVER INFECTIOUS AND OTHER DISEASES.

GENERAL.

100. *Small-pox*.—Only 10 cases of Small-pox occurred in the County during the year 1931, 4 in the Borough of Nuneaton, and 6 in the Nuneaton Rural District. The last two cases notified in the December quarter were associated with cases occurring at that time in Leicestershire and heralded a further outbreak in Nuneaton during the early months of 1932. There were no deaths registered during 1931, and only one death in 1930.
101. *Vaccination against Small-pox*.—There are at present 49 Public Vaccinators employed in 65 Districts, their registers recording 1,531 successful vaccinations, or 26.9 per cent. of registered births. There were 3,446 conscientious objectors or 60.5 per cent., a figure very similar to the previous year. No vaccinations were performed by the District Medical Officers of Health under the Public Health (Small-pox Prevention) Regulation, 1917.
102. The cost of this service, recently transferred from the Poor Law to the County Council, and administered now by the County Public Health Committee, amounts annually to about £750, and since only one in every four infants born is successfully vaccinated under these Regulations, and since there is every likelihood that the disease in this country will remain mild in type, as it has been for the last twenty years, surely the time is opportune for a revision of the Vaccination Regulations with a view to the introduction of some voluntary method that would in all probability be as effective as the present cumbersome and so-called compulsory system.
103. *Scarlet Fever, Diphtheria and Enteric Fever*.—630 notifications of Scarlet Fever were received during the year, and only one death was recorded, giving a death-rate of 0.002 per 1,000 of population. The disease was fairly general throughout the County, but most prevalent in the Borough of Sutton Coldfield, and in the Rural Districts of Atherstone, Tamworth Rugby and Meriden.
104. There were 342 notifications of Diphtheria and 20 deaths, giving a death-rate of 0.05 per 1,000 of population, as compared with 574 notifications in the previous year and a death-rate of 0.07. This disease was most prevalent in the Atherstone and Rugby Rural Districts. All Sanitary Authorities have made adequate provision for the supply of Diphtheria Anti-toxin, and full advantage is generally taken of these facilities.
105. 37 cases of Enteric Fever were notified during the year, as compared with 39 in the previous year, and 4 deaths were registered. Of these cases 27 were definitely regarded as of the Para-typhoid variety. Only in the Solihull Rural District was the disease epidemic in character. This outbreak commencing in the December quarter, was closely associated with a similar outbreak in the City of Birmingham, and was investigated jointly by the Medical Officers of Health of Birmingham and Solihull, and also by an Inspector from the Ministry of Health. In the Solihull area the disease continued epidemic until the middle of March, 1932, after which only two sporadic cases occurred, one in the month of May

and the last on 18th June. Careful and prolonged investigation shewed that the outbreak was definitely associated with food, but there was insufficient evidence to trace the actual source of infection, although both Milk and Cream were suspected.

106. *Influenza*.—Reference has already been made in par. 11 to the occurrence of Influenza in the early months of the year. It was particularly prevalent in the north of the County and 115 deaths were registered from this cause. There was a concurrent increase in pneumonia, 745 cases having been notified and 274 deaths, as against 589 cases and 209 deaths in the previous year. Influenza of late years appears to be assuming biennial prevalence, records shewing this to be the case in Warwickshire since 1925, outbreaks occurring consistently in 1927, 1929 and 1931. Previous to the year 1925 there was the severe epidemic of 1918 and one of lesser degree in 1922, and before the year 1918 there was recorded the outbreak of 1909, a period of nine years elapsing without any marked epidemic.

107. *Cancer*.—525 deaths were registered from Cancer and other malignant diseases, as against 513 in the previous year. 274 occurred in the Urban Districts and 251 in the Rural Districts. An endeavour has been made to inform the public, through a suitable leaflet, of the importance of early operative or radiological treatment of Cancer, and already many applications have been received for this leaflet. Thanks is due to the Warwickshire Insurance Committee for co-operating in its distribution among insured persons. By this means it is hoped that earlier treatment will be sought, the heavy mortality reduced and even the prevention of the disease effected by appropriate preventive measures, through closer attention to general health and the avoidance of conditions recognised as the precursors of malignant disease. Education of the public in this direction is one of the most important steps in our endeavour to combat this disease until science discovers a remedy of indubitable value, either from the point of view of cure or prevention.

108. NOTIFIABLE DISEASES AND DEATHS.

				Total cases notified.		Total deaths.
Small-pox	...	...	...	10	...	—
Scarlet Fever	...	...	...	630	...	1
Diphtheria	...	...	...	342	...	20
Enteric Fever	...	...	...	37	...	4
Puerperal Fever	...	...	...	21	...	8
Puerperal Pyrexia	...	...	...	46	...	—
Pneumonia	...	...	...	745	...	274

OPHTHALMIA NEONATORUM.

109. 37 notifications of Ophthalmia Neonatorum were received during the year, as against 36 in the previous year; 17 in the Urban and 20 in the Rural Districts. Of these only 27 occurred in the Maternity and Child Welfare area of the County, that is excluding the Boroughs of Nuneaton, Leamington and Sutton Coldfield. The analysis of these 27 cases is as follows :—

Ophthalmia Neonatorum.	Cases.			Vision Unimpaired.	Vision Impaired.	Total Blindness.	Deaths.
	Notified.	Treated					
		At Home.	In Hospital.				
	27	26	1	25	2	Nil	2

110. In addition to the above 37 notifications of Ophthalmia Neonatorum, there were 34 cases of inflammation of the eyes submitted by Midwives as "Medical Helps," but not regarded by the doctors called in as Ophthalmia Neonatorum. All cases in the Maternity

and Child Welfare County have been followed up by the County Health Visitors, who paid 57 first visits and 87 re-visits. Of the 71 cases of Inflammation of the Eyes, 48 occurred in cases attended at birth by Midwives only. All Midwives have been instructed to apply Collosol Argentum drops to babies' eyes immediately after birth as a preventive measure against Ophthalmia, and this practice is generally observed, although it is difficult to check. The above figures, unfortunately, shew little improvement on the previous year, and shew rather a tendency to greater severity in some of the cases.

VENEREAL DISEASES.

111. The Venereal Disease service in the County was detailed at some length in my last Annual Report, and some of the difficulties in administration in the Rural Districts were stressed. It is unfortunate that nothing approaching a true estimate of the prevalence of Venereal Disease can be obtained even in those districts in which facilities for treatment are provided, and this will not be possible until the disease is notifiable in some form or another. It is, however, gratifying to find from the following table that attendances of those persons under treatment at the various Clinics have generally increased, evidence that the treatment received and the facilities provided for such treatment are appreciated by the patients. But I am not yet satisfied that the facilities offered, particularly at some of the General Hospital Clinics, are such as to encourage attendance or continued attendance for treatment, the desired privacy being difficult of attainment.

112. Although the new cases attending the Clinics have decreased from 321 in 1930 to 316 in 1931, the attendances made by patients have increased from 13,261 to 16,643, the greatest increase, however, being recorded at Nuneaton, where an "ad hoc" Clinic is established. But it is disconcerting to find that 137 persons ceased to attend without completing treatment, 61 cases of Syphilis and 76 of Gonorrhoea, and even at the Nuneaton Clinic there were 42 such delinquents. Control over Venereal patients under our existing treatment scheme is flimsy in the extreme, persuasion being our only recourse to ensure continued treatment till cured. Among the delinquents referred to there are always some who discontinue treatment because they leave the district, and there is no record available as to whether they have not continued treatment at some other Venereal Disease Clinic, particularly if the patients, when seeking treatment again, do not disclose the fact that they have previously received treatment at a recognised V.D. Clinic. There is little doubt, however, that the majority of those who cease treatment think they are sufficiently cured in spite of the Medical Officer's word to the contrary.

113. ATTENDANCES AT TREATMENT CENTRES, 1931.

	Warneford Hosp.		Coventry & War. Hosp.		Gen. Hosp. B'ham.		Hosp. of St. Cross, Rugby.		Nuneaton V.D. Clinic		TOTALS.
1. Persons dealt with at Out-patient Clinic for the first time, suffering from Syphilis	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
	7	8	17	27	13	3	17	11	8	8	119
Gonorrhoea	40	20	22	7	26	7	16	2	49	8	197
Not suffering from Venereal Disease ..	2	0	17	3	26	20	5	2	14	3	92
2. Persons discharged from Clinic after completing treatment for:— Syphilis	—	—	3	0	2	0	5	3	2	4	19
Gonorrhoea	0	1	5	3	7	4	14	1	11	5	51
3. Persons who ceased to attend without completing treatment for:—Syphilis	1	7	6	14	4	4	6	3	8	8	61
Gonorrhoea	8	6	10	9	10	0	5	2	16	10	76
4 Total attendances of all Persons at Clinic	586	539	1425	847	2439	478	1136	158	8284	751	16,643
Previous year	1125	(1082)	2272	(1661)	2917	(2255)	1294	(1467)	9035	(6796)	(13,261)
5. No. of In-patient days of Treatment to persons suffering from:— Syphilis	—	—	55	80	2	76	27	21	—	—	261
Gonorrhoea	0	356	76	0	10	61	10	0	—	—	513
No. of new Cases of Venereal Disease	47	28	39	34	39	10	33	13	57	16	
Previous year	75	(98)	73	(49)	49	(61)	46	(31)	73	(82)	316 (321)

TUBERCULOSIS.

114. During the year under review there were 278 notifications of Pulmonary and 115 of other forms of Tuberculosis, as against 298 and 124 respectively in the previous year. Although the notifications of Pulmonary Tuberculosis were slightly less the death-rate has remained the same, 190 deaths, or 0.51 per 1,000 of population. The age and sex distribution of the deaths is as follows:—

				DEATHS.			
				<i>Pulmonary.</i>		<i>Non-pulmonary.</i>	
AGE PERIODS.				M.	F.	M.	F.
0—	...	...	...	—	—	5	—
1—	...	...	...	3	2	5	5
5—	...	...	...	—	4	2	3
15—	...	...	...	11	27	4	4
25—	...	...	...	49	37	6	5
45—	...	...	...	29	18	5	3
65 and over	...	...	...	7	3	—	2
				—	—	—	—
				99	91	27	22
Total				190		49	

115. The following table records the sex and age distribution of 288 Notifications of Pulmonary Tuberculosis (Primary) and 121 notifications of other forms of Tuberculosis received up to 2nd January, 1932:—

				NOTIFICATIONS.			
				<i>Pulmonary.</i>		<i>Non-pulmonary.</i>	
AGE PERIODS.				M.	F.	M.	F.
0—	...	...	...	—	—	3	—
1—5	...	...	...	4	3	8	8
5—10	...	...	...	7	3	15	6
10—15	...	...	...	3	6	8	8
15—20	...	...	...	13	19	4	10
20—25	...	...	...	20	31	7	5
25—35	...	...	...	40	28	12	9
35—45	...	...	...	33	18	6	3
45—55	...	...	...	20	9	4	—
55—65	...	...	...	12	7	2	1
65 and over	...	...	...	10	2	—	2
				—	—	—	—
				162	126	69	52
TOTAL				288		121	

116. The question of the further provision of beds for advanced cases of Pulmonary Tuberculosis and referred to in my previous Report, has been considered by the Joint Committee for Tuberculosis, and it has been definitely decided that if any increase is to be made recourse should be had to the site at the Memorial Sanatorium, where there are already 63 beds for Hospital and advanced cases, in addition to 132 beds for early cases and for children. The matter is, however, still under consideration.

117. The home visiting of Tuberculosis cases has been undertaken as formerly by the County Health Visiting Staff, and the records shew that 340 first visits and 270 re-visits have been paid to new cases. To cases carried forward from previous years 2254 visits have been paid, making a total of 2,988 visits to Tuberculosis cases during the year.

118. In addition to the above home visits the County Health Visitors have made 442 attendances at Dispensaries, where they act as Tuberculosis Nurses.

119. The nursing of Tuberculosis cases has been continued by the Nurses of the District Nursing Associations affiliated to the County Nursing Association, and to a lesser extent by the Newnham Benefit Nursing Association. Grants for this purpose have been made by the Joint Committee of £35 and £5 respectively.

REPORT OF THE CHIEF TUBERCULOSIS OFFICER.

(Dr. J. McGEAGH WILLIAMS).

120. During 1931 the number of new patients, including transfers from other areas, examined at or in connection with the Joint Committee's seven Dispensaries and at the Sutton Coldfield School Clinic was 1,124. In addition, 13 patients were transferred from neighbouring counties when the boundary of Warwickshire was altered on the 1st April, 1931, who did not wish to avail themselves of treatment under the Joint Committee's scheme. No further reference in this report is made to these patients but they are included in Table I. In 1930, the number of new patients was 1,122, and in 1929, 1,135. The attendances at the seven Dispensaries and the Sutton Coldfield School Clinic numbered 2,606 as compared with 2,524 in 1930 and 2,879 in 1929.

121. The Dispensaries are open as follows:—5, Market Street, Atherstone, from 1-30 p.m. to 4 p.m. on Wednesdays; 4, The Quadrant, Coventry, from 5 p.m. to 8 p.m. on Tuesdays and from 2 p.m. to 5 p.m. on Fridays—other days by appointment; 6, Portland Street, Leamington, from 10 a.m. to 12 noon on Wednesdays, and from 6 p.m. to 8 p.m. on Thursdays; 35, Coton Road, Nuneaton, from 10 a.m. to 12-30 p.m. and from 2 p.m. to 4-30 p.m. on Tuesdays; 1, Plowman Street, Rugby, from 10 a.m. to 12-30 p.m., and from 2 p.m. to 4 p.m. on Mondays; 1, Lode Lane, Solihull, from 10 a.m. to 12 noon on Thursdays; 47, Henley Street, Stratford-on-Avon, from 2 p.m. to 4-30 p.m. on Fridays; and the School Clinic, 9, Holland Street, Sutton Coldfield, is usually open on a Monday in each month, the actual dates and times being arranged to suit the Medical Officer of Health for Sutton Coldfield, and his staff.

122. The only changes in the medical staff occurred at the Memorial Sanatorium. Dr. MACKENZIE was promoted from Junior to Senior Assistant Medical Officer in January, 1931, and Dr. DESMOND was appointed Junior Assistant Medical Officer in that month.

123. The number of beds at the Memorial Sanatorium is 195, of which 63 are reserved for advanced cases, and the number of beds provided in Hospitals by the Joint Committee for non-pulmonary Tuberculosis is 40. A few suitable cases are sent to colonies for treatment and training.

124. In addition to the following Tables which give the usual information about the Warwickshire patients dealt with under the Joint Committee's scheme, further Tables will be found in the Appendix to this Report (Tables E and F.)

Atherstone Dispensary.

New Patients—

Adults	Male	...	27	} 85
	Female	...	29	
Children	Male	...	13	}
	Female	...	16	

New Patients—

Pulmonary	16	} 85
Non-Pulmonary	...	...	5
Not Tuberculous	...	...	64
Doubtful—under observation at end of year	...	...	0

		On Dispensary Treatment, 1-1-31.		Put on Dispensary Treatment during 1931.		TOTAL.
Adults	...	4	...	2	...	6
Children	...	5	...	4	...	9

Contacts examined	Tuberculous	Not Tuberculous	Doubtful— under observation
27	0	27	0

Total Attendances of Patients ... 219*

*Including 19 attendances of patients for artificial pneumothorax treatment.

Coventry Dispensary.

New Patients—

Adults	Male ...	48	} 146
	Female ...	48	
Children	Male ...	25	}
	Female ...	25	

New Patients—

Pulmonary ...	30	} 146
Non-Pulmonary ...	3	
Not Tuberculous ...	113	
Doubtful—under obser- vation at end of year	0	

	On Dispensary Treatment, 1-1-31	Put on Dispensary Treatment during 1931	TOTAL
Adults ...	1	3	4
Children ...	0	0	0

Contacts examined	Tuberculous	Not Tuberculous	Doubtful— under observation
56	0	56	0

Total Attendances of County Patients ... 879*

Total Attendances of Coventry Patients ... 4,203†

5,082

*Including 19 attendances for artificial pneumothorax treatment.

†Including 62 attendances for artificial pneumothorax treatment.

Leamington Dispensary.

New Patients—

Adults	Male ...	36	} 123
	Female ...	33	
Children	Male ...	29	}
	Female ...	25	

New Patients—

Pulmonary ...	14	} 123
Non-Pulmonary ...	4	
Not Tuberculous ...	99	
Doubtful—under obser- vation at end of year	6	

	On Dispensary Treatment, 1-1-31	Put on Dispensary Treatment during 1931	TOTAL
Adults ...	2	2	4
Children ...	6	1	7

Contacts examined	Tuberculous	Not Tuberculous	Doubtful— under observation
31	1	30	0

Total Attendances of Patients ... 381

Nuneaton Dispensary.

New Patients—

Adults	Male ...	91	} 259
	Female ...	74	
Children	Male ...	49	}
	Female ...	45	

New Patients—

Pulmonary ...	31	} 259
Non-Pulmonary ...	4	
Not Tuberculous ...	224	
Doubtful—under obser- vation at end of year	0	

		On Dispensary Treatment, 1-1-31		Put on Dispensary Treatment during 1931		TOTAL
Adults	...	7	...	2	...	9
Children	...	2	...	0	...	2
	Contacts examined		Tuberculous		Not Tuberculous	Doubtful— under observation
	106		2		104	0
Total Attendances of Patients						542*

*Including 9 attendances of patients for artificial pneumothorax treatment.

Rugby Dispensary.

New Patients—				New Patients—			
Adults	Male	...	38	Pulmonary	...	...	18
	Female	...	42		Non-Pulmonary	...	3
Children	Male	...	19	Not Tuberculous	...	...	99
	Female	...	22		Doubtful—under obser- vation at end of year	...	1
			121				121
		On Dispensary Treatment, 1-1-31.		Put on Dispensary Treatment during 1931.		TOTAL.	
Adults	...	4	...	1	...	5	
Children	...	0	...	3	...	3	
	Contacts examined		Tuberculous		Not Tuberculous		Doubtful— under observation
	47		0		47		0
Total Attendances of Patients						304	

Solihull Dispensary.

New Patients—				New Patients—			
Adults	Male	...	7	Pulmonary	...	...	6
	Female	...	9		Non-Pulmonary	...	1
Children	Male	...	7	Not Tuberculous	...	...	18
	Female	...	2		Doubtful—under obser- vation at end of year	...	0
			25				25
		On Dispensary Treatment, 1-1-31.		Put on Dispensary Treatment during 1931.		TOTAL.	
Adults	...	0	...	0	...	0	
Children	...	0	...	1	...	1	
	Contacts examined		Tuberculous		Not Tuberculous		Doubtful— under observation
	10		0		10		0
Total Attendances of Patients						64	

Stratford-on-Avon Dispensary.

New Patients—				New Patients—			
Adults	Male	...	21	Pulmonary	...	...	9
	Female	...	16		Non-Pulmonary	...	8
Children	Male	...	11	Not Tuberculous	...	...	45
	Female	...	17		Doubtful—under obser- vation at end of year	...	3
			65				65

		On Dispensary Treatment, 1-1-31		Put on Dispensary Treatment during 1931		TOTAL
Adults	...	0	...	1	...	1
Children	...	0	...	0	...	0
	Contacts Examined.		Tuberculous.		Not-Tuberculous.	Doubtful— under observation.
	32		0		32	0
Total Attendances of Patients						163

Sutton Coldfield School Clinic.

New Patients—				New Patients—			
Children	Male	...	19	Pulmonary	...	...	0
	Female	...	21		Non-Pulmonary	...	1
			40		Not Tuberculous	...	39
					Doubtful—under obser- vation at end of year	...	0

		On Dispensary Treatment, 1-1-31		Put on Dispensary Treatment during 1931.		TOTAL
Children	.....	1	.....	0	.....	1
	Contacts Examined.		Tuberculous.		Not Tuberculous.	Doubtful— under observation
	15		0		15	0
Total Attendances of Patients						71

Patients Visited at their Homes.

New Patients—				New Patients—			
Adults	Male	...	103	Pulmonary	...	...	85
	Female	...	94		Non-Pulmonary	...	29
Children	Male	...	39	Not Tuberculous	...	142	260
	Female	...	24		Doubtful—under obser- vation at end of year	4	

Ten contacts were examined in their homes and are included in the figures above.

At the end of 1930, there were 15 doubtful cases of tuberculosis under observation at the Dispensaries, one of these was found to be tuberculous during 1931, bringing the total number of patients under consideration for 1931 to 1,125.

STAGE OF DISEASE.
(New cases).

Pulmonary.				Non-Pulmonary.				Doubt- ful un- der ob- serva- tion.	Not Tuber- culous	Total.
Tubercle Bacilli not present in sputum.	Tubercle Bacilli found in sputum.			Bones and Joints.	Abdo- minal.	Other Organs.	Peri- pheral Glands.			
	Stage 1.	Stage 2.	Stage 3.							
34	34	90	51	29	14	2	13	14	844	1,125
209				58						

					<i>Admissions.</i>		<i>Discharges.</i>	
Sanatoria :—								
Liverpool Sanatorium, Frodsham	...	...	...	...	0	...	1
Memorial Sanatorium	...	...	...	...	188	...	193
Colonies :—								
Papworth	...	...	...	...	2	...	0
Hospitals :—								
Birmingham Cripples Hospital	...	...	...	...	0	...	1
Forelands, Bromsgrove	...	...	...	...	2	...	2
Manfield, Northamptonshire	...	...	...	...	2	...	3
Nuneaton	...	...	...	...	1	...	3
Rugby	...	...	...	...	12	...	12
Warneford	...	...	...	...	2	...	3
Warwickshire Orthopaedic, Coleshill	...	...	...	...	2	...	0
Wingfield, Oxford	...	...	...	...	1	...	1
Woodlands, Birmingham	...	...	...	...	7	...	4
					<hr/>			
					219	<hr/> 223		

Average duration of treatment—all Institutions ... 35·2 weeks.
Average duration of treatment—Memorial Sanatorium ... 31·2 weeks.

Deaths in Institutions (included in discharges) :—

Memorial Sanatorium	...	...	...	22
Birmingham Cripples Hospital	...	...	...	1
Rugby Hospital	...	...	...	1
				<hr/> 24

127. Details as to the immediate results of treatment will be found in Table F of the Appendix to this Report.

128. CONTRIBUTIONS BY PATIENTS.—The Treasurer informs me that during the year the amount received from Warwickshire and Coventry patients was £298 6s. 9d. The amount received in 1930 was £479 12s. 6d., in 1929, £443 7s. 10d., and in 1928, £376 18s. 11d.

129. SPUTUM EXAMINATIONS.—One hundred and seventy-five (175) of the new cases of Pulmonary Tuberculosis had tubercle bacilli in their sputum, and in 34 cases the bacilli were not found or the patients had no sputum. One thousand and twenty-two (1,022) specimens of sputum were examined in the laboratory at the Chief Dispensary and 23 specimens were sent to Birmingham University.

130. CHILDREN.—Three hundred and forty-five (345) children (up to 15 years of age) were examined at the Dispensaries—172 boys and 173 girls. Ten of these were found to be suffering from pulmonary tuberculosis, and 14 from non-pulmonary tuberculosis. Of the remainder, 2 were doubtful cases, and under observation at the end of the year, while 319 children showed no definite evidence of tuberculosis. The pulmonary cases were classified into Stage T.B. — 9 ; Stage 1. T.B. + 1.

131. SHELTERS.—The number of shelters available for the county is 61. The Joint Committee own 37 of these. The number in use by Warwickshire patients on the 31st December, 1931, was 45. During the year 19 shelters were removed on ceasing to be required, and 21 were erected at new addresses.

132. CONTACTS.—Routine examination of contacts was continued. The number of contacts examined at or in connection with the Dispensaries in 1931 was 334, the number in 1930 being 327.

Contacts examined	Tuberculous	Not Tuberculous	Doubtful— under observation
334	3	331	0

133. DISPENSARY TREATMENT.—The number of patients who attended the Dispensaries for some form of treatment in 1931 was 52. In 1930 the number was 44.

134. X-RAY EXAMINATIONS.—The number of X-Ray examinations of county patients made during the year at the Chief Dispensary was 709. Of these 705 were screen examinations and 4 were photographs. In 1930, the number of examinations was 602.

135. DENTAL TREATMENT.—Particulars of dental treatment given at the Memorial Sanatorium appear in the Annual Report of the Medical Superintendent. One patient having domiciliary treatment received dental treatment through the Joint Tuberculosis Committee during the year.

136. AFTER CARE.—There were 121 applications for help. The Tuberculosis Nurse was able successfully to deal with 110 of these :—

Financial help	48
Employment found	2
Clothing supplied	12
Nursing arrangements	24
Sent to Convalescent Homes	5
Social service	13
Temporary care of children	4
Orphan children sent to homes	2
Unable to help	11
	<hr/>
	121
	<hr/>

137. Nine of the patients who were helped financially received grants from the Warwickshire War Relief Fund. From this source £109 6s. 0d. was distributed. The sum of £21 19s. 5d. was given by various charitable societies and private persons interested in certain patients, making a total of £131 5s. 5d.

138. EXTRA NOURISHMENT.—The Joint Committee continue to grant extra nourishment to suitable cases. Their expenditure must not exceed £2 per 1,000 of the population of their area. During the year, the Committee granted extra nourishment to 45 patients. Grants ceased to 37 patients during the period under consideration, and there were 36 patients having extra diet on the 31st December, 1931. The Treasurer kindly informed me that the sum of £425 19s. 0½d. was spent on extra nourishment for Warwickshire patients, and £366 9s. 1½d. for Coventry patients during the year. In 1930, the amount spent for the whole Joint Committee's area was £666 18s. 8d., and in 1929, £654 11s. 10d. As a general rule extra nourishment is not granted to patients whose total family income after deducting the rent, exceeds 10s. per head per week. Cases of extreme poverty which can only be dealt with by the Public Assistance Committee, are referred to them.

139. NURSE SHAW (the Tuberculosis Nurse) visited 253 patients in their homes, 44 of these visits being to discharged ex-service men. The number of similar visits made by the County Health Visitors was 3,479, of which 166 were to discharged ex-sailors and soldiers.

140. **PAYMENT OF PATIENTS' TRAVELLING EXPENSES.**—The Joint Committee have power to pay the travelling expenses of necessitous patients between their homes and Dispensaries and Sanatoria, and during 1931, the sum of £19 7s. 1d. was spent on county patients. This amount does not take into account any expenses in connection with the ambulance at the Memorial Sanatorium.
141. Co-operation with the General Practitioners continued to be satisfactory. The number of reports on insured tuberculous persons, received from panel practitioners during the year was :—On Form G.P.17 (initial report) 121 ; on Form G.P. 36 (progress report) 605 ; total 726. In 1930 the numbers were—122, 597, 719.
142. **AFTER CARE VILLAGE SETTLEMENTS.**—It will be remembered that at the end of 1930, a committee of 6 representatives of certain local authorities in the Midlands was investigating the desirability or otherwise of going forward with a scheme to found an after care colony and village settlement. Early in 1931 it became evident that sufficient support for the scheme was not forthcoming and the project was dropped for the time being.
143. **ORTHOPAEDIC AND LIGHT TREATMENT.**—The number of attendances of patients under the care of the Joint Committee at various orthopaedic clinics in the county was 467. In 1930 it was 380. Light treatment for those patients needing it, who are not in-patients at the Memorial Sanatorium is given in the out-patient department of the Sanatorium. The number of attendances of these patients during 1931 was 483, and in 1930 it was 622.
144. The following information relating to the incidence of, and the deaths from tuberculosis, and the provision made for the treatment of this disease is taken from the Twelfth Annual Report of the Ministry of Health, and may be of interest.
145. The number of new cases of all forms of tuberculosis fell from 73,332 in 1920 to 73,001 in 1930. The number of non-pulmonary cases increased from 15,488 in 1920 to 18,670 in 1930, while the pulmonary cases decreased from 57,844 in 1920 to 54,331 in 1930. The number of new non-pulmonary cases in 1930 was 12 less than in 1929. The number of deaths registered from tuberculosis in England and Wales fell from 42,545 in 1920 to 35,745 in 1930. The deaths in 1930 were 2,245 fewer than in 1929.
146. In England at the end of December, 1930, tuberculosis work was being carried out in 459 Dispensaries, excluding out-patient departments of hospitals and clinics for special forms of treatment. The number of approved Residential Institutions on that date was 504, providing 24,578 beds.

(Signed) J. McG. WILLIAMS,
Tuberculosis Officer.

EXTRACTS FROM THE ANNUAL REPORT OF THE SUPERINTENDENT OF THE MEMORIAL SANATORIUM.

Dr. CORYDON BUDGE.

147. **GROUND.**—The grounds are in good order. Special attention has been paid during the year to an increase of kept lawns, as these provide very suitable graduated work for patients, and are inexpensive to maintain.
- The Kitchen Garden, first laid out last year, has supplied a satisfactory amount of produce to the Sanatorium, and this winter has been increased in size.
148. **RECREATION.**—The Sanatorium is indebted to many friends who have sent parcels of books and periodicals from time to time throughout the year. All have been suitably thanked.

The patients' canteen continues to be a great asset in the life of the Sanatorium. The convenience is much appreciated by the patients, and the fund obtained allows of several additional amenities being provided for the patients.

The wireless installation continues to give good service. It is hoped this Spring to bring the apparatus thoroughly up to date, and to complete the furnishing of all the beds with head phones, only a few of the beds at the present time not having these.

During 1931, two noteworthy events occurred on the social side of the Sanatorium. The first was the provision of a Bowling Green, towards the cost of which generous donations were given by :—

	£	s.	d.
The Miners' Welfare Association	250	0	0
R. Wormell, Esq.	5	0	0
Warwickshire County Bowling Association	5	5	0
W. WALE :—			
Donations from :—	£	s.	d.
Dr. W. H. Lowman	1	1	0
A. Grunam	1	1	0
Rugby Bowling Club	10	6	
Stoke ditto	1	16	6
Leamington Avenue Bowling Club	10	6	
	<hr/>		
	4	19	6

Work was commenced on the Green in January, 1931, and was completed in May, 1931. Owing to the wet summer, the grass has grown well. It was not considered advisable to allow play during the year, in order to give the turf a good start.

Christmas, 1931, at the Sanatorium will be specially remembered by the kind gift of Dr. SODEN, Chairman of the Joint Committee, and Mrs. SODEN, of a Silver Challenge Shield, to be competed for annually by all the patients. The competition for this roused great enthusiasm, the kind thought being much appreciated by all the patients. The event selected was that of "Pavilion Decoration," to allow the men and women patients to compete on equal terms, and this year the Shield was won by the women patients.

149. WATER CONSUMPTION.—The water consumption remains fairly steady. The average daily total being 58 gallons per head per day. This shows a fall of 5 gallons per head per day from the 1930 figure of 63 gallons.

150. LAUNDRY.—The Laundry continues to give good service and is constantly working up to its full capacity.

151. REFRIGERATING PLANT.—This plant has functioned well throughout the year. There have been no charges for repairs. There have been two charges of Anhydrous Ammonia put into the plant during the year.

By running the plant upon a log sheet basis, and exercising strict control over the times of opening the chambers, a considerable economy in running expenses has been realised.

152. KITCHEN.—The kitchen equipment was augmented during the year by the installation of a Hobart Machine. This has considerably lightened the work of preparation of the food, has allowed of an economy in staff, and enables much of the food to be prepared in a more hygienic manner.

153. SCHOOL.—Miss HANCOX continues in charge of the School. The total number of attendances from the 1st April, 1930, to the 31st March, 1931, was 10,382, the maximum attendance being 56, and the minimum being 36 for any one day.

154. PATIENTS.—Necessitous patients continue to be helped by grants of clothing from the fund provided by the Committee, by the British Red Cross Society, the United Service Fund, and the Coventry City Aid Society.

During the year seven patients received boots and clothing from the Committee at a cost of £9 16s. 4d.

The voluntary contributions towards the cost of treatment during 1931 amounted to £288 16s. 3d.

TABLE I.

WARWICKSHIRE PATIENTS.

		<i>In Inst. on Jan. 1, 1931.</i>		<i>Admitted during year.</i>		<i>Discharged during year.</i>		<i>Died in Inst.</i>		<i>In Inst. on Dec. 31, 1931.</i>
No. of doubtfully tuber- culosis cases admitted for observation	M.	0	...	5	...	5	...	0	...	0
	F.	0	...	4	...	3	...	0	...	1
	Ch.	0	...	3	...	3	...	0	...	0
	Total	0	...	12	...	11	...	0	...	1
No. of definitely tuber- culous patients admitt- ed for treatment	M.	48	...	91	...	79	...	13	...	47
	F.	39	...	68	...	64	...	9	...	34
	Ch.	24	...	17	...	17	...	0	...	24
	Total	111	...	176	...	160	...	22	...	105
Grand Total		111	...	188	...	171	...	22	...	106

COVENTRY PATIENTS.

		<i>In Inst. on Jan. 1, 1931.</i>		<i>Admitted during year.</i>		<i>Discharged during year.</i>		<i>Died in Inst.</i>		<i>In Inst. on Dec. 31, 1931.</i>
No. of doubtfully tuber- culosis cases admitted for observation	M.	0	...	5	...	5	...	0	...	0
	F.	0	...	2	...	2	...	0	...	0
	Ch.	1	...	2	...	3	...	0	...	0
	Total	1	...	9	...	10	...	0	...	0
No. of definitely tuber- culous patients admitt- ed for treatment	M.	45	...	83	...	73	...	8	...	47
	F.	22	...	54	...	44	...	2	...	30
	Ch.	12	...	7	...	10	...	0	...	9
	Total	79	...	144	...	127	...	10	...	86
Grand Total		80	...	153	...	137	...	10	...	86

TABLE II.

WARWICKSHIRE PATIENTS.

Return showing the results of observation of doubtfully tuberculosis cases discharged during the year.

Diagnosis on discharge from observation.		<i>For Pulmonary Tuberculosis.</i>						<i>For Non-Pulmonary Tuberculosis.</i>						<i>Totals.</i>			
		<i>Stay under 4 weeks.</i>			<i>Stay over 4 weeks.</i>			<i>Stay under 4 weeks.</i>			<i>Stay over 4 weeks.</i>						
		M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	
Tuberculous	...	4	2	2	1	—	1	—	—	—	—	—	—	5	2	3	
Non-Tuberculous		—	—	—	—	1	—	—	—	—	—	—	—	—	1	—	
Doubtful	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Totals	4	2	2	1	1	1	—	—	—	—	—	—	5	3	3

COVENTRY PATIENTS.

Diagnosis on discharge from observation.		<i>For Pulmonary Tuberculosis.</i>						<i>For Non-Pulmonary Tuberculosis.</i>						<i>Totals.</i>			
		<i>Stay under 4 weeks.</i>			<i>Stay over 4 weeks.</i>			<i>Stay under 4 weeks.</i>			<i>Stay over 4 weeks.</i>						
		M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	
Tuberculous	...	3	—	1	—	1	—	—	—	—	—	—	—	3	1	1	
Non-tuberculous		—	—	—	2	1	2	—	—	—	—	—	— ^a	2	1	2	
Doubtful	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Totals	3	—	1	2	2	2	—	—	—	—	—	—	5	2	3

TABLE III.

Stages of Disease.

WARWICKSHIRE PATIENTS.

Class T.B.									Non-				
minus.	Stage I.		Stage II.		Stage III.		Pulmonary.		Observation.		Total.		
32	...	23	...	65	...	31	...	9	...	11	...	171	

COVENTRY PATIENTS.

Class T.B.									Non-				
minus.	Stage I.		Stage II.		Stage III.		Pulmonary.		Observation.		Total.		
10	...	27	...	56	...	31	...	3	...	10	...	137	

TABLE IV.

Condition on Discharge.

WARWICKSHIRE PATIENTS.

Quiescent.	Non-Quiescent.	Died.	Observations.	Total.
47	113	22	11	193

COVENTRY PATIENTS.

Quiescent.	Non-Quiescent.	Died.	Observation.	Total.
49	78	10	10	147

TABLE V.

Duration of Stay.

WARWICKSHIRE PATIENTS.

No. of patients discharged during 1931, who had more than 12 months' treatment	27
" " " " " 6—12 months' "	58
" " " " " 3—6 " "	66
" " " " " under 3 " "	31
No. of observation cases discharged during 1931 who had under 4 week's observation	8
" " " " " " over 4 " "	3
	193

COVENTRY PATIENTS.

No. of patients discharged during 1931, who had more than 12 months' treatment	15
" " " " " 6—12 months' "	46
" " " " " 3—6 " "	58
" " " " " under 3 " "	18
No. of observation cases discharged during 1931 who had under 4 weeks' observation	4
" " " " " " over 4 " "	6
	147

Average duration of stay of Warwickshire Patients—31·2 weeks.

 " " " Coventry " 30·9 "

155. LABORATORY.

The total number of sputum examinations was 1,211.

The total number of Pathological examinations made was 33.

1 animal inoculation has been performed.

156. X-RAY WORK.—During the year we have made :—

3,229 Screen examinations.

358 Photographs.

The taking of photographs is a great help in determining the most suitable form of treatment.

157. TREATMENT.—During the year :—

109 patients have been treated by artificial pneumothorax.

24 " " " with sanocrysin.

9 " " " " gold chloride.

1 patient has been treated with Lopion.

47 patients have been treated by artificial sunlight (39 adults, 8 children).

158 THE NUMBER OF ATTENDANCES MADE BY OUT PATIENTS FOR SPECIAL TREATMENT AND EXAMINATIONS.

259 attendances for treatment by artificial pneumothorax.

547 „ „ „ „ „ Sunlight.

11 „ „ „ „ „ with sanocrysin.

50 „ „ „ „ „ of larynx.

35 „ „ „ „ „ by examination.

2 „ „ „ „ „ „ gas replacement.

904 Total attendances.

159. ARTIFICIAL SUNLIGHT TREATMENT.—During the year 1931, forty-seven patients were treated by artificial sunlight, the cases being as follows :—

Lupus	...	...	...	...	...	...	8 adults, 2 children.
Tuberculous abdomen	...	...	...	...	...	...	8 „ 6 „
„ glands	...	...	...	...	...	...	6 „
„ joints	...	...	...	...	...	...	7 „
Sinus (Rectal).	...	...	...	...	...	...	6 „
Chilblains	...	...	...	...	...	...	4 „

160. As is shown by the foregoing report, the year has been one of great activity in all departments.

Every endeavour has been made to keep the medical work of the Sanatorium abreast of all recent developments.

The use of artificial pneumothorax in the treatment of the more advanced cases has been extended, with favourable results, and the work of the out-patient department has thus been considerably increased. That this work is on the right lines, is shown by the manner in which patients with advanced disease are now able to remain at work, keeping fit and well, when formerly many of them would have been living in a state of semi-invalidism in their homes.

In conclusion, I wish to thank the Committee for the confidence placed in me, and to assure them of my continued endeavours to further the welfare of the Sanatorium.

HOUSING.

161. HOUSING ACT, 1930.—The administration of this Act has been continued and extended during the year under review. The County Council has undertaken to make an annual contribution of £1 6s. 0d. for a period of 40 years to Rural District Councils in respect of any houses provided by them with the approval of the Ministry of Health, whether for “agricultural” population or “working class” population whose economic condition is essentially the same as that of the “agricultural” population.

162. In this connection Rural District Councils are required to submit the following information in respect of each house to which the County Council are required to or agree to contribute, viz. :—

- (1) Name of tenant.
- (2) Full address or situation of house.
- (3) Date of completion of house.
- (4) Date of approval of Ministry of Health.
- (5) Rent per week, including rates.
- (6) Employment and weekly wages of the tenant.

There is, however, a further condition that the tenant is in occupation of the house on the 31st March of any year in respect of which a claim is submitted.

163. Applications in accordance with the Council's resolution under section 34 of the Housing Act, have been received from (1) the Alcester Rural District Council in respect of 40 houses for agricultural workers ; (2) the Monks Kirby Rural District Council (since disestablished and added to the Rugby Rural District) 6 houses—4 for agricultural workers and 2 for other workers ; (3) the Shipston-on-Stour Rural District Council, 118 houses—94 for agricultural workers and 24 for other workers ; (4) the Stratford-on-Avon Rural District Council, 123 houses—71 for agricultural workers and 52 for other workers.

164. THE HOUSING (RURAL AUTHORITIES) ACT, 1931.—This Act authorises the Ministry of Health to make contributions to necessitous Rural District Councils towards the cost of houses erected for agricultural workers and for those whose economic condition is substantially the same as that of such workers. This contribution is to be made in addition to and not in substitution for any contributions payable by County Councils under section 34 of the Housing Act, 1930. Such applications had to be made to the Ministry of Health before the 30th November, 1931, and copies of such applications are required to be sent to the County Council for their observations and report to the Ministry. In respect of the applications referred to in the fore-going paragraph they were each submitted to the Ministry of Health for assistance under the Housing (Rural Authorities) Act, 1931, and approval was given by the Ministry to a limited number only—Alcester 14 ; Monks Kirby 0 ; Shipston-on-Stour 30 ; and Stratford-on-Avon 14. Although this number may qualify for the Ministry's grant, it must be borne in mind that the applications made under the Housing Act, 1930, already referred to will qualify for the County Council grant provided the individual houses comply with the requirements laid down by the County Council.

CRIPPLING DEFECTS AND ORTHOPAEDICS.

165. The Orthopaedic service commenced in a small way in 1926, has since been developed, and now covers the whole area of the Education and Child Welfare County. The following statement refers to non-tuberculous cripples only, the tuberculous being administered by the Joint Committee for Tuberculosis. Both types of case are, however, dealt with at the various Orthopaedic Clinics comprised in the Scheme.

166. The growth of the work will be appreciated by reference to the number of attendances, year by year, 8,557 attendances having been registered in 1931, as against 7,395 in 1930. With an increase in attendances there must also be an increase in cost, since the Voluntary Committees are paid for this service on an attendance basis. It is not surprising, therefore, to find that it has been found impossible to meet expenditure on 8,557 attendances, with the same amount of money that was provided for 7,395 attendances, in other words, as the service grows, so must the cost grow.

<i>Year.</i>	<i>Number of cases on Register of Clinics.</i>			<i>No. of attendances at Clinics.</i>	
1926	114	...	450
1927	312	...	2,598
1928	580	...	4,429
1929	749	...	6,298
1930	806	...	7,395
1931	1,015	...	8,557

Of the 1,015 cases on the Registers during 1931, 729 were children of school age, and 286 under school age, the attendances of such cases being respectively 6,845 and 1,712.

167. HOSPITAL TREATMENT.—56 County cases have received Hospital treatment during the year under review, together with 19 Tuberculous cases admitted under the Joint Committee's Scheme, a total of 75 Orthopaedic cases of all types.

168. But this does not represent all the Orthopaedic work done in the County. It is recorded that at the Hospital of St. Cross, Rugby, in addition to the 8 children under 16 admitted under the County Orthopaedic Scheme, 27 were admitted for Hospital Treatment and maintained out of Hospital funds. It is not surprising, therefore, that the Hospital of St. Cross should be extending and re-modelling the Orthopaedic accommodation. When such extension is completed the Hospital will be well equipped for the treatment of both Tuberculous and Non-Tuberculous cripples.
169. In addition to the above Hospital cases dealt with during the year, 20 children not requiring major operative treatment and suffering from defects of a non-Tuberculous character, received appropriate treatment in the Paybody Convalescent Home, Allesley, thus increasing the total of institutional treatment of cripples during the year to 95.
170. Of the 289 cases that had ceased treatment, 167 were discharged as cured, 42 left the district, 17 reached the age of 16 years, 1 was admitted to a Special School, 39 refused to continue treatment under the Scheme, 16 required no further treatment, 5 died while under treatment, and 2 were transferred to the Joint Committee for Tuberculosis.
171. On the 1st January, 1932, 726 cases remained on the Registers of the Clinics, and 69 new cases ascertained towards the end of 1931, will be referred to the various Clinics during 1932.
172. PAYBODY CONVALESCENT HOME, ALLESLEY.—This Convalescent Home, associated with the Coventry and District Crippled Children's Guild, has been considerably extended during the year, and provides open-air accommodation now for 40 beds—20 Boys and 20 Girls. The Home is a most useful adjunct to the work of the Guild and is deserving of every encouragement and support.
173. During the year under review, 20 cases, 16 of school age and 4 under school age, were admitted from the County, and of these 11 were discharged during the year, while 9 remained in the Home on December 31st, 1931. All the cases admitted almost without exception have done extremely well during their stay in the Home.
174. PARENTS' CONTRIBUTIONS.—Contributions towards the cost of treatment were received from parents during the year amounting to £271 10s. 4d. ; £150 12s. 8d. in respect of children of school age and £120 17s. 8d. in respect of children under school age. The collections show a decrease of £56 in comparison with the collections for 1930 (£328).
175. The recovery of contributions is slow owing to the fact that most parents take advantage of the weekly payments of 3s. 6d., 4s. 6d. or 5s., which is allowed in accordance with the Scale authorised by the responsible Committee, and the depressed trade conditions are no doubt responsible for the slight falling off in these contributions.
176. RESULTS OF ORTHOPAEDIC TREATMENT.—Of the 1,015 cases treated, 317 or 31 per cent. were cured or greatly improved, and a further 509 were reported to be improving. It can therefore be definitely concluded that 826 or 82 per cent. of all cripples dealt with have derived benefit from the treatment they have received.

CONCLUSION.

177. The following Table, which it has been customary to publish in past years, records some of the more important statistical results of the year under review, compared with previous rates for the last 30 years :—

Year.	Birth Rate.	Death Rate.	Zymotic Death Rate.	Tuberou- losis Death Rate	Typhoid Fever Death Rate	Infant Mortality.
1902.	27.07	13.45	1.08	0.66	0.09	116
1903.	26.34	13.69	1.15	0.91	0.04	125
1904.	26.96	14.18	1.48	0.80	0.07	133
1905.	25.58	12.87	0.90	0.72	0.04	109
1906.	25.70	13.50	1.49	0.80	0.07	124
1907.	25.08	12.48	0.84	0.78	0.07	99
1908.	25.70	12.80	0.87	0.83	0.02	100
1909.	24.40	13.03	0.89	0.77	0.03	97
1910.	23.70	11.60	0.75	0.80	0.03	89
1911.	22.80	12.60	1.70	0.77	0.03	115
1912.	23.10	12.00	0.80	0.59	0.02	79
1913.	24.17	12.12	0.87	0.58	0.02	88
1914.	23.07	11.9	0.81	0.66	0.02	87
1915.	22.45	13.45	0.94	0.83	0.01	86
1916.	21.01	13.29	0.68	0.81	0.01	80
1917.	18.51	13.33	0.71	0.83	0.006	79
1918.	18.47	15.92	0.55	0.93	0.006	80
1919.	18.04	11.90	0.39	0.86	0.006	77
1920.	25.18	10.62	0.41	0.65	0.008	65
1921.	22.27	10.73	0.46	0.64	0.002	65
1922.	21.16	11.04	0.33	0.68	0.003	60
1923.	19.75	10.29	0.50	0.66	0.02	30
1924.	18.76	10.98	0.30	0.69	0.01	60
1925.	18.46	11.15	0.42	0.70	0.005	62
1926.	17.52	10.52	0.31	0.65	0.005	54
1927.	17.30	11.25	0.21	0.64	0.007	66
1928.	16.83	10.13	0.23	0.55	0.008	55
1929.	16.29	12.70	0.33	0.70	0.01	60
1930.	16.63	10.82	0.25	0.51	0.008	49
1931.	15.69	11.06	0.20	0.51	0.01	55

178. From the above figures it will be noticed that the Birth-rate continues to fall, having reached the lowest rate ever recorded, 15.69 per 1,000 of population. The Infant Mortality has unfortunately increased by ~~five~~^{six} points as compared with the previous year, but, still compares very favourably with 66, the figure for the whole of England and Wales.

179. It is of interest to note during recent years a more or less progressive decline in the Zymotic death-rate, representing deaths from the seven infectious diseases—Small-pox, Scarlet Fever, Diphtheria, Typhoid Fever, Measles, Whooping Cough and Diarrhoea. The death-rate from Pulmonary Tuberculosis also remains low. The general Death-rate of 11.06 although slightly higher than the previous year, is still lower than the figure recorded for the whole of England and Wales, which was 12.3 for the year under review.

180. I have to thank the Clerk of the Council, all my Medical Colleagues both on the County Staff and those associated with District Councils for their help and co-operation at all times, and my Clerical Staff for their continued loyal service. To the County Public Health Committee I also tender my thanks for their support and confidence.

I have the honour to remain,

My Lord, Ladies and Gentlemen,

Your obedient Servant,

A. HAMILTON WOOD,

County Medical Officer of Health.

A. TABLE OF DEATHS during the year 1931, in the COUNTY OF WARWICK, classified according to Diseases and Ages and shewing also the Area, Population, and Births therein during the Year, together with Birth, Death and Zymotic Rates, and the Rate of Infant Mortality.

DISTRICTS.	AREA IN ACRES.	POPULATION AT ALL AGES.				Infant Mortality under 1 year to Registered Births per 1,000.	Zymotic Death Rate.	Death-Rate.	Birth-Rate.	DEATHS AT SUBJOINED AGES.										MORTALITY FROM SUBJOINED CAUSES.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		Census 1921.	Middle of 1931 Estimate of Registrar Gen'l.	Registered Births.										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B. THE REGISTRAR GENERAL'S FIGURES &c., for POPULATION, BIRTHS and DEATHS in the
URBAN and RURAL DISTRICTS, and RATES based thereon.

	Population.		Births.		Deaths.		Infant Mortality.		Congenital Debility, and Malformation, Premature Birth.		Zymotic Diseases.		Pulmonary Tuberculosis.	
	Census, 1921.	Estimated middle of 1931.	Number of Births.	Birth Rate.	Number of Deaths.	Death Rate.	Number of Deaths.	Death Rate per 1,000 Births.	Number of Deaths.	Death Rate.	Number of Deaths.	Death Rate.	Number of Deaths.	Death Rate.
URBAN.														
Bedworth ..	—	12,240	251	20.50	149	12.17	15	59	9	0.73	3	0.24	9	0.73
Bulkington ..	2,250	2,750	60	21.81	41	14.90	5	83	3	1.09	2	0.72	2	0.72
Kenilworth ..	6,700	7,620	98	12.86	92	12.07	6	61	3	0.39	4	0.52	3	0.39
Leamington Spa ..	28,560	29,490	385	13.05	439	14.88	21	54	14	0.47	1	0.03	16	0.54
Nuneaton ..	42,720	46,810	841	18.03	494	10.59	50	59	32	0.68	11	0.23	26	0.55
Rugby ..	25,220	24,310	256	10.53	272	11.18	16	62	14	0.57	3	0.12	25	1.02
Stratford-on-Avon ..	8,950	11,460	145	12.65	140	12.21	10	68	5	0.43	5	0.43	7	0.61
Sutton Coldfield ..	22,840	29,890	375	12.66	326	11.00	18	48	12	0.40	6	0.20	12	0.40
Warwick ..	12,820	13,630	169	12.39	161	11.80	9	53	4	0.29	..	..	7	0.51
TOTAL URBAN ..	150,060	178,200	2,580	14.51	2,114	11.89	150	58	96	0.54	35	0.19	107	0.60
RURAL.														
Alcester ..	12,260	11,290	186	16.00	147	12.65	14	75	8	0.68	3	0.25	7	0.60
Atherstone ..	21,210	22,020	426	19.34	227	10.30	28	65	20	0.90	9	0.40	11	0.49
Brailes ..	5,650	—	25	18.42	25	18.42	—	—	—	—	—	—	—	—
Farnborough ..	1,402	1,379	22	15.95	13	9.42	1	45	—	—	—	—	—	—
Foleshill ..	33,840	18,410	424	23.03	159	8.63	22	51	13	0.70	1	0.05	10	0.54
Meriden ..	16,970	17,400	289	15.62	193	10.43	16	55	9	0.48	4	0.21	8	0.43
Monks Kirby ..	1,509	1,458	31	21.26	27	18.51	3	96	3	2.05	—	—	—	—
Nuneaton ..	3,402	5,483	136	24.08	54	9.56	10	73	6	1.06	1	0.10	1	0.10
Rugby ..	19,410	21,950	348	11.29	189	8.61	18	51	11	0.50	6	0.27	12	0.54
Shipston-on-Stour ..	—	7,592	80	14.05	89	15.63	5	62	3	0.52	1	0.17	1	0.17
Solihull ..	20,840	30,670	415	11.21	286	9.30	20	44	11	0.35	10	0.32	13	0.42
Southam ..	10,000	9,738	153	15.71	131	13.45	8	57	5	0.51	—	—	3	0.30
Stratford-on-Avon ..	10,750	12,310	192	16.24	136	11.50	11	52	6	0.50	3	0.25	7	0.59
Tamworth ..	18,130	16,700	254	15.20	150	8.98	11	43	6	0.35	—	—	6	0.35
Warwick ..	12,700	12,650	176	13.92	124	10.00	4	22	4	0.32	1	0.08	4	0.32
TOTAL RURAL ..	188,073	189,050	3,187	16.80	1,950	10.29	171	53	105	0.55	39	0.20	83	0.43
COUNTY TOTALS ..	338,133	367,250	5,767	15.69	4,064	11.06	321	55	201	0.54	74	0.20	190	0.51

C.

Notification of Infectious Diseases.—SUMMARY OF RETURNS OF MEDICAL OFFICERS OF HEALTH for the Year ended 31st December, 1931.

	Estimated Civilian Population as at June 30th, 1931.	Small Pox.	Scarlet Fever.	Diphtheria In- cluding Mem- branous Croup.	Enteric Fever, (Typhoid and Para-Typhoid).	Pneumonia.	Cholera.	Plague.	Puerperal Fever.	Cerebro- spinal Fever.	Acute Polio-myelitis.	Acute Polio-en- cephalitis.	Encephalitis Lethargica.	Typhus Fever.	Relapsing Fever.	Continued Fever.	Trench Fever.	Dysentery.	Ophthalmia Neonatorum.	Erysipelas.	Tuberculosis			Malaria.			Chicken-Pox.	Measles (ex- cluding Ger- man Measles).	Puerperal Pyrexia.	Paratyphoid Cases included in Column 4.	Whooping Cough.	
																					Pulmonary.	Other Forms.	Stated to be Contracted in this country.	Other Cases.								
URBAN :—																																
Bedworth	12,240	..	11	4	..	44	..	..	..	..	..	..	1	..	..	..	..	..	..	..	7	17	3	..	..	16	..	2	..	..	..
Bulkington	2,750	..	2	10	..	5	..	..	..	..	..	..	1	..	..	..	..	..	..	..	3	2	2	..	..	1	2	..	..	..	..
Kenilworth	7,620	..	6	6	3	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	3	3	..	..	..	..	..	..	..
Leamington Spa	29,490	..	38	4	2	61	..	..	4	1	..	..	1	..	..	..	..	..	..	3	14	20	3	..	..	..	..	..	..	..	..
Nuneaton	46,810	4	40	40	4	121	..	..	1	6	..	..	1	..	..	..	..	..	..	6	15	41	19	..	134	98	6	2	..	..	..
Rugby	24,310	..	32	32	3	30	..	..	..	..	..	..	..	..	..	..	20	..	3	10	31	4	..	..	..	..	7	3	..	..	..
Stratford-on-Avon	11,460	..	15	3	..	40	..	..	2	..	..	..	..	..	..	..	..	..	..	1	3	5	2	..	..	..	2	..	..	..	..
Sutton Coldfield	29,890	..	56	27	4	40	..	..	..	..	..	1	3	..	..	..	..	..	..	1	9	20	5	..	..	..	3	..	..	..	..
Warwick	13,630	..	24	4	2	38	..	..	1	..	..	..	2	..	..	..	..	..	..	2	8	12	7	..	..	..	3	1	..	..	..
RURAL :—																																
Alcester	11,290	..	31	10	..	56	..	..	3	1	..	..	..	..	..	..	..	..	..	..	6	5	1	..	..	..	2	..	..	..	..	..
Atherstone	22,020	..	56	49	..	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9	18	8	..	..	75	3	..	..	..	..	..
Farnborough	1,379	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Foleshill	18,410	..	25	11	..	40	..	..	2	1	..	..	..	..	..	..	..	..	..	..	8	11	5	..	..	25	1	..	..	..	..	..
Meriden	17,400	..	40	22	..	33	..	..	1	..	..	..	..	..	..	..	..	..	..	2	4	13	4	..	..	..	1	..	..	..	..	..
Monks Kirby	1,458	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Nuneaton	5,483	6	25	23	..	19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	4	3	..	..	1	..	..	..	..	..	..
Rugby	21,950	..	52	49	..	32	..	..	1	..	1	..	..	..	..	..	..	..	..	..	6	19	12	..	..	..	..	1	3	..	..	..
Shipston-on-Stour...	7,592	..	3	..	..	8	..	..	4	1	..	..	..	..	..	..	..	..	..	..	..	4	3	..	..	..	..	..	..	..	..	..
Solihull	30,670	..	42	19	13	21	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	17	12	1	1	..	..	..	..	..	..	..
Southam	9,738	..	32	9	..	42	..	..	..	..	..	..	..	..	..	..	..	..	..	3	2	9	7	..	..	..	..	1	1	..	..	..
Stratford-on-Avon	12,310	..	13	2	5	10	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	9	6	..	..	..	..	..	..	..	..	..
Tamworth	16,700	..	66	18	..	17	..	..	1	..	..	..	1	..	..	..	..	..	..	2	2	4	4	..	..	..	..	..	..	..	..	..
Warwick	12,650	..	18	..	1	8	..	..	1	..	..	..	..	..	..	..	..	..	..	3	3	9	2	..	..	..	2	..	..	..	..	..
TOTALS	367,250	10	630	342	37	745	..	..	21	10	1	1	10	..	..	..	..	..	20	37	120	278	115	..	2	216	135	46	27	..	..	..

D. RETURN shewing the number of Births Registered, together with the number of such cases successfully Vaccinated or otherwise disposed of in the Districts of the COUNTY OF WARWICK during the year ending 31st December, 1931.

VACCINATION DISTRICTS.	No. of Births Registered during the year ending 31st Dec. 1930.	No. of these cases successfully Vaccinated during 1931.	Insusceptible of Vaccination.	Died before Vaccination.	Cases under Postponement.	Removals to other Districts out of the Union.	No. of cases not to be found.	Number of cases remaining Unvaccinated at end of 1931.	No. of Conscientious Certificates.
Kenilworth	144	52	1	3	...	...	6	12	70
Leamington Spa	497	146	1	18	2	10	2	4	314
Nuneaton	1117	123	1	41	7	2	52	25	866
Rugby	675	142	2	26	6	6	14	10	469
Stratford-on-Avon	321	95	2	8	6	3	8	4	195
Sutton Coldfield	296	182	3	9	1	4	5	2	90
Warwick	332	106	...	8	...	13	7	...	198
Alcester	173	51	1	9	1	2	2	1	106
Atherstone	426	114	1	27	...	4	...	31	249
Farnborough... ..	5	2	...	...	...	...	...	...	3
Foleshill	538	86	1	22	1	6	16	30	376
Meriden	259	118	1	9	...	...	...	42	89
Monks Kirby	19	2	1	1	...	...	1	2	12
Shipston-on-Stour	54	13	2	3	2	...	...	2	32
Solihull	410	178	5	14	8	2	42	53	108
Southam	171	42	...	6	1	3	5	...	114
Tamworth	252	79	...	9	3	...	2	4	155
TOTALS	5,689	1,531	22	213	38	55	162	222	3,446

E. ANNUAL RETURN SHOWING THE WORK OF THE TUBERCULOSIS DISPENSARIES DURING THE YEAR 1931.

[illegible]

F. Return showing the immediate results of treatment of definitely tuberculous patients discharged during the year from Institutions approved for the treatment of Tuberculosis.

PULMONARY TUBERCULOSIS.																		
Classification on admission to the Institution.	Condition at time of Discharge.	Duration of Residential Treatment in the Institutions.															Grand Total.	
		Under 3 months.			3—6 months.			6—12 months.			More than 12 months.			Totals.				
		M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.		
Class T.B. minus.	Quiescent ... ..	...	1	...	4	2	1	2	1	2	1	...	7	7	4	10	21
	Not quiescent	4	...	2	1	2	...	1	...	...	...	...	1	6	2	3	11
	Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0
Class T.B. plus. Group 1.	Quiescent ... ..	...	...	...	4	1	...	3	5	...	...	...	...	7	6	...	13
	Not quiescent	1	1	...	2	...	...	5	...	...	...	2	...	8	3	...	11
	Died in Institution ...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	1
Class T.B. plus. Group 2.	Quiescent ... ..	...	...	...	5	1	...	...	2	...	1	...	...	6	3	...	9
	Not quiescent	4	1	...	13	9	...	7	14	...	5	3	...	29	27	...	56	
	Died in Institution ...	...	1	...	...	1	...	...	...	...	...	...	...	...	2	...	2
Class T.B. plus. Group 3.	Quiescent ... ..	...	...	...	...	1	...	1	...	...	1	...	...	2	1	...	3
	Not quiescent	2	3	...	9	2	...	1	6	...	2	2	1	14	13	1	28	
	Died in Institution ...	4	4	...	5	...	...	2	3	...	...	...	...	11	7	...	18
Bones and Joints.	Quiescent ... ..	...	...	...	...	...	...	1	...	...	2	...	6	3	...	6	9
	Not quiescent	1	2	1	...	4	...	...	1	1	...	...	4	1	7	6	14
	Died in Institution ...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1
Abdominal.	Quiescent	1	...	...	...	...	...	...	...	...	...	...	1	1	...	1	2
	Not quiescent ... ..	...	...	1	1	3	1	...	1	1	...	...	...	1	4	2	7
	Died in Institution ...	1	...	...	...	1	...	...	...	...	...	...	...	1	1	...	2
Other Organs.	Quiescent ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0
	Not quiescent ... ..	...	1	...	...	...	...	...	1	...	1	...	...	1	2	...	3
	Died in Institution ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0
Peripheral Glands.	Quiescent ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0
	Not quiescent ... ..	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	1
	Died in Institution ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0
NON-PULMONARY TUBERCULOSIS.																		

NON-PULMONARY TUBERCULOSIS.

ANALYSIS OF VISITS.

Total No. of Visits.	Total No. of 1st Visits.			Total No. of Re-visits.			Nurse Children.		Ante-Natal Visits.		No. of cases attended by Doctors.	No. of cases attended by Midwives.	No. of cases attended by Doctor and Midwives.	No. of attendances at Infant Welfare Centres.	Total No. of attendances at Infant Welfare Centres of					Total Nos. on Register of Infant Welfare Centres: —	H.V.'s attendances at Ante-Natal Clinics.			
	Under 12 Months.	12 months—5 yrs.	5 yrs. 1,004	Under 12 Months.	12 Months.	5 yrs.	Under 12 Months.	12 Months.	5 yrs.	1st Visits.					Re-Visits.	1st Visits.	Re-Visits.	Mothers	Children			Expectant Mothers.		
																			0—1.				1—5.	Subsequent
Under 12 Months. 10,971	Under 12 Months. 6,355	Under 12 Months. 3,383	Under 12 Months. 7,583	Under 12 Months. 5,351	1st Visits. 42	Re-Visits. 324	1st Visits. 476	Re-Visits. 435	227	2217	887	39	983	Mothers 30881	Children 0—1. 1425	Children 1—5. Subsequent 18621	Children 1—5. Expectant 17637	Expectant Mothers. 538	Mothers 2908	Children 0—1. 1477	Children 1—5. 1819	Expectant Mothers .. 132		

Sub-Divisions.	Visits under 12 m'ths.		No. of Cases attended by				Feeding of Infants				Clothing of Infant				Health of Infant				Cases Reported to N.S.P.C.C.			Instructions Carried out,			Employment of Mother				Housing Conditions			Sanitary Conditions			Houses Reported to Sanitary Authorities						
	No. of 1st Visits	No. of Re-Visits	Doctors	Midwives	Midwives	Handy Woman	Mode of Feeding				No. of Cases where Comforter is not used	No. of Cases where Cot is used	Health of Infant				Health of Mother			Fully	Partly	Not at all	Before	After	Factory	Charing	Domestic	Clean	Fair	Dirty	Good	Medium	Bad								
							Boat Bottle	Long-tubed Bottle	Spoon	Otherwise			Satisfactory	Unsatisfactory	Wasting	Neglected	Good	Medium	Bad																						
I. Miss Hughes ..	319	467	24	115	180	..	201	40	78	11	117	..	221	233	219	..	70	11	254	65	8	2	247	57	15	..	125	124	70	16	..	32	271	190	96	32	162	120	37	8	
II. Miss Watterson	35	168	11	7	17	..	28	2	5	..	7	..	30	30	35	33	2	34	..	1	..	35	35	33	2	..	35	
III. Miss Shakspeare	213	534	1	48	181	3	191	16	36	..	52	..	104	112	243	..	195	48	190	51	2	227	11	3	4
IV. Miss Dilcock ..	227	645	5	12	206	4	204	8	15	7	23	..	130	70	135	21	71	..	215	11	1	..	199	25	3	..	84	94	49	4	4	201	24	2	179	50	
V. Miss Baker ..	425	412	9	83	333	..	303	29	93	..	122	..	259	318	424	1	412	13	391	31	3	..	139	120	..	5	420	405	19	1	413	13	..	7	
VI. Miss Halford ..	161	375	1	106	54	..	125	10	26	..	36	..	132	139	14	..	147	..	152	7	2	..	151	10	131	30	161	147	10	4	138	12	2	2	
VII. Miss Butler ..	..	73	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	
VIII. Miss Hunter ..	95	333	38	32	25	..	70	6	19	3	25	..	110	83	80	..	15	..	90	5	79	12	4	..	235	98	7	4	90	81	17	6	76	14	5	8	
IX. Miss Wheatley ..	145	283	24	26	95	..	112	7	26	7	26	..	106	101	134	..	11	..	126	16	3	..	142	25	8	..	216	58	9	90	55	123	14	8	119	16	10	20	
X. Miss Golby ..	382	685	8	104	270	8	303	26	53	1	79	..	250	271	279	..	103	..	365	16	1	1	309	66	7	1	247	134	1	7	5	11	366	282	98	2	234	148	
XI. Miss Hodges ..	57	98	5	6	28	18	27	10	14	6	22	20	57	..	50	7	35	14	8	1	..	50	7	2	2	..	55	52	4	1	47	3	7	1	
XII. Mrs. Perren	
XIII. Miss Watterson	87	299	19	16	52	..	65	5	17	..	22	..	64	77	87	85	2	85	1	1	..	85	2	85	83	4	..	80	7	..	2	
XIV. Miss Tustin ..	161	826	30	18	116	..	136	4	19	5	19	..	109	116	52	18	91	3	150	4	10	..	136	23	5	..	140	4	20	10	..	114	40	10	107	40	15	5	
XV. Miss Fletcher ..	156	852	33	37	86	..	120	11	25	5	35	..	130	94	105	2	49	4	146	7	3	1	124	24	8	6	136	20	156	98	11	8	95	51	10	8	
XVI. Miss Phipps ..	287	150	..	30	251	6	190	71	26	..	55	..	140	130	150	20	17	..	270	17	270	10	7	30	20	30	207	211	50	26	250	30	7	4	
XVII. Miss Shaw ..	118	645	17	18	83	..	101	8	9	96	170	110	2	9	4	112	4	1	1	117	..	1	3	2	1	..	1	1	1	3	..	2	1	3	
XVIII. Miss Wharton ..	487	708	2	229	240	..	376	26	82	3	108	..	368	324	481	6	2	..	411	70	6	2	2	447	26	14	445	40	2	4	
Totals ..	3388	7583	227	887	2217	39	2552	279	543	48	726	..	2271	2288	2305	70	883	23	2655	284	31	5	2890	419	79	13	1577	735	163	65	32	181	1901	2694	427	122	2379	555	96	79	

H. REPORT BY INSPECTORS OF MIDWIVES, 1931.

No. of Midwives Practising.	No. of Midwives residing in County Area.	No. of Trained Midwives Practising.	No. of Bona-fide Midwives Practising.	No. Illiterate Midwives Practising.	No. of Inspections.	No. of Visits.	No. of Cases taken by Midwives.		No. of Suspensions
							Midwifery	Maternity	
252 (including Non-eaton Midwives)	196	238	14	4	411	643	3,051	1,001	22

ANALYSIS OF INSPECTIONS.

Sub-Districts.	No. of Midwives Inspected by other Counties.	No. of Midwives Inspected by C.N.A. for W.C.C.	No. of Midwives Inspected by W.C.C.	No. of Trained Midwives.	No. of Bona-fide Midwives.	No. of Illiterate Midwives.	No. of Cases attended.	No. of Inspections made.	No. of Valid.	BAGS.		APPLIANCES.		REGISTERS.		CLEANLINESS OF MIDWIFE				CLEANLINESS OF ROOMS		No. of Notices of Still-birth.	No. of Notices of Death of Mother or Child.	No. of Puerperal Fever Cases.	No. of Puerperal Pyrexia cases.	No. of Cases of Laying-out the Dead.	No. of cases of artificial feeding.	No. of Suspensions.				
										Satisfactory.	Not Satisfactory.	Satisfactory.	Not Satisfactory.	Satisfactory.	Not Satisfactory.	Satisfactory.	Not Satisfactory.	Good.	Medium.	Bad.	Good.								Fair.	Poor.	Good.	Bad.
I. Miss Hughes	7	(9)	8	14	1	..	231	19	56	19	..	19	..	19	19	19	..	..	..	..	10	3	1	2	..	2	1	
II. Miss Waterson	4	(2)	20	21	3	..	232	28	64	8	..	8	..	8	8	5	..	..	..	..	18	1	..	2	..	1	1	
III. Miss Shakespeare	6	(1)	4	10	..	..	211	9	3	3	..	3	..	3	3	3	..	..	..	..	65	2	..	2	..	7	1
IV. Miss Dilcock	..	(2)	17	15	..	..	317	20	30	20	..	20	..	20	20	4	..	..	..	..	71	9	..	4	..	3	1
V. Miss Baker	28	(10)	8	35	1	..	285	16	62	4	1	4	1	..	4	2	..	..	..	..	82	6	..	1	..	1	..	
VI. Miss Halford	..	(4)	5	5	1	..	72	6	15	2	..	2	..	2	2	2	..	..	..	..	4	..	..	7	..	..	..		
VII. Miss Butler	..	..	18	17	1	..	265	23	42	6	..	6	..	6	6	6	..	..	..	..	62	5	..	1	..	..	..		
VIII. Miss Hunter	..	(6)	2	3	..	..	11	4	6	2	..	2	..	2	2	2	..	..	..	..	4	1	..	2	..	..	..		
IX. Miss Wheatley	1	..	9	10	1	..	200	21	40	7	..	7	..	7	7	5	..	..	..	..	52	1	..	3	..	..	..		
X. Miss Golby	2	..	3	7	..	..	32	5	6	1	..	1	..	1	1	1	..	..	..	..	7	..	..	2	..	..	..		
XI. Miss Hodges	..	(4)	3	5	..	..	50	12	12	12	..	12	..	12	12	10	..	..	..	..	14	1	..	2	..	..	..		
XII. Mrs Perren	..	(7)	6	5	1	..	346	18	3	5	..	5	..	5	5	4	..	..	..	..	106	13	..	3	..	..	..		
XIII. Miss Waterson	..	..	1	1	..	..	10	4	8	1	..	1	..	1	1	1	..	..	..	..	6	1	..	1	..	..	..		
XIV. Miss Tustin	..	(2)	17	16	1	..	570	15	23	5	..	5	..	5	5	2	..	..	..	..	70	13	..	4	..	..	..		
XV. Miss Fletcher	..	(3)	4	3	1	..	32	15	23	4	..	4	..	4	4	4	..	..	..	..	3	1	..	1	..	..	..		
XVI. Miss Phipps	..	(8)	8	8	1	..	197	28	38	28	..	28	..	28	28	28	..	..	..	..	79	11	..	3	..	..	..		
XVI. Miss Phipps	..	(1)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Superintendent Miss Lowe (C.N.A.), Miss Emly	..	..	..	..	..	..	..	36	50	36	..	36	..	36	36	59	..	..	..	..	289	8	..	4	..	..	..		
Totals	56	63	133	238	14	7	4,052	411	643	222	1	222	1	222	3	220	2	221	10	2	944	75	54	18	38	38	56	22				

I. TUBERCULOSIS REPORT BY HEALTH VISITORS, 1931.

DISTRICTS.	Total number of Cases notified in 1931.	No. of 1st Visits.	No. of Re-Visits.	No. of Re-Visits to Cases left from Previous Years.	No of Visits to Ex-Service Men.	Total No. of Visits.	Sanatorium Treatment.	Domiciliary Treatment.	Disinfectant. Provided.	Sputum flask used.	Ventilation Improved.	Shelters Provided.	Deaths.	Unvisited or Visit not required.	Cases not found.	No. of Attendances of Health Visitor. at Dispensary.
1. MISS HUGHES ...	30	24	16	143	21	204	13	13	9	14	7	5	18	3	1	54
2. " WATTERSON ...	41	39	47	292	24	402	15	68	12	73	2	...	13	31	...	...
3. " SHAKSPEARE ...	9	8	5	39	3	55	3	5	5	1	...	...	5	...	...	39
4. " DILCOCK ...	67	64	18	478	...	560	29	35	...	...	15	...	31	3	...	...
5. " BAKER ...	20	20	19	148	6	193	14	7	...	...	...	1	7	...	...	...
6. " HALFORD ...	17	13	6	73	3	95	10	13	2	6	...	6	6	4	...	4
7. " BUTLER ...	44	37	9	230	34	310	30	7	18	14	7	...	24	7	...	89
8. " HUNTER ...	17	14	16	31	4	65	5	6	...	6	...	1	6	...	...	...
9. " WHEATLEY ...	16	9	6	36	1	52	4	1	4	2	...	...	17	7	...	45
10. " GOLBY ...	5	5	...	34	...	39	3	2	2	2	...	...	4	...	...	45
11. " HODGES ...	18	13	14	28	2	57	6	11	4	...	3	3	4	1	...	...
12. MRS. PERREN ...	17	13	...	21	1	35	11	4	20	6	...	...	11	4	...	64
13. MISS WATTERSON ...	10	10	4	38	3	55	4	18	3	20	...	...	4	58	...	...
14. " TUSTIN ...	14	13	28	130	10	181	10	4	4	...	...	1	8	2	...	91
15. " FLETCHER ...	15	13 ^a	4	174	...	191	5	8	2	...	...	1	3	2	...	4
16. " PHIPPS ...	28	28	56	46	12	142	10	18	28	20	28	3	6	...	...	1
17. " SHAW ...	3	3	7	189	...	199	2	17	3	3	...	1	2	5	...	6
18. " WHARTON ...	15	14	15	124	...	153	11	4	5	5	...	...	6	1	...	...
Totals	386	340	270	2254	124	2988	185	241	121	172	62	22	175	128	1	442

J. Annual Report on Cases of Inflammation of Eyes visited by Inspectors of Midwives, 1931.

Total No of Cases.	No. of Cases reported by Trained Midwives	No. of Cases reported by Bona-fide Midwives	No. of Cases Notified by Doctors as Ophthalmia.	No. of Cases in which Doctor and Trained Midwife attended at Birth.	No. of Cases in which Doctor and Bona-fide Midwife attended at Birth.	No. of Cases in which Doctor and Handy Woman attended at Birth.	No. of Cases attended at Birth by Mid-wife only.	No. of First Visits	No. of Re-visits
71	45	2	36	13	...	2	48	57	87

ANALYSIS OF CASES.

Districts	No. of Cases in Districts	No. of Cases Reported by Trained Midwives	No. of Cases Reported by Bona-fide Midwives	No. of Cases of Ophthalmia notified by Doctors as Ophthalmia.	No. of Cases attended at Birth by Dr. and Trained Midwife	No. of Cases attended at Birth by Dr. and Bona-fide Midwife	No. of Cases attended at Birth by Dr. and Handy Woman	No. of Cases attended by Midwife at Birth.	No. of First Visits	No. of Re-Visits	No. of Cases of purulent discharge during pregnancy	No. of Cases sent to Hospital	No. of cases of Complete Recovery	No. of Cases of partial Blindness in one Eye.	No. of Cases of partial Blindness in both Eyes	No. of Cases of total Blindness of one Eye	No. of cases of total Blindness in both eyes.	No. of Patients seen by Midwife before Confinement	No. of Patients who attended Ante-Natal Clinics.
I. Miss Hughes	6	4	..	1	1	..	1	4	6	7	1	1	6	..	..	..	..	5	1
II. Miss Waterson	3	1	..	..	..	..	..	3	3	6	..	..	3	..	..	..	..	1	..
III. Miss Shakspeare	5	3	..	..	..	..	..	5	5	5	..	..	4	..	..	..	..	5	..
IV. Miss Dilcock.	11	3	..	..	..	..	..	8	6	1	..	1	4	..	..	..	..	4	..
V. Miss Baker	6	5	..	..	..	..	..	5	4	5	..	..	5	..	..	..	..	4	..
VI. Miss Halford	4	4	..	..	..	..	..	3	4	8	..	..	4	..	..	..	..	4	..
VII. Miss Butler	4	..	..	..	..	..	..	3	4	5	..	..	4	..	..	..	..	4	..
VIII. Miss Hunter	1	1	..	..	..	..	..	1	1	3	..	..	1	..	..	..	..	2	..
IX. Miss Wheatley	11	11	..	..	..	..	..	10	11	25	8	..	9	..	..	..	..	11	2
X. Miss Golby	1	1	..	..	..	..	..	..	1	1	1	..	1	..	..	..	..	1	..
XI. Miss Hodges	1	1	..	..	..	..	..	..	1	1	1	..	1	..	..	..	..	1	..
XII. Mrs. Perren	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
XIII. Miss Waterson	1	1	..	..	..	..	..	..	1	2	..	..	1	..	..	..	..	..	..
XIV. Miss Tustin	7	3	..	..	2	..	1	3	..	..	..	2	1	1	..	..	..	..	..
XV. Miss Fletcher	4	2	..	..	3	..	..	2	4	4	..	..	4	..	..	..	..	2	..
XVI. Miss Phipps	2	2	..	..	1	..	..	1	2	5	..	..	2	..	..	..	..	2	..
XVII. Miss Shaw	1	1	1	3	1	2	..
XVIII. Miss Wharton	3	2	3	6	3
Totals ..	71	45	2	36	13	..	2	48	67	87	11	4	54	1	..	1	..	45	3

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